abcam

Product datasheet

Anti-STAT6 antibody [YE361] - BSA and Azide free ab215995

重组 RabMAb

1 References 16 图像

概述

产品名称	Anti-STAT6抗体[YE361] - BSA and Azide free
描述	兔单克隆抗体[YE361] to STAT6 - BSA and Azide free
宿主	Rabbit
特异性	This antibody does not cross-react with other Stat family members.
经测试应用	**适用于:** ChIC/CUT&RUN-seq, ICC/IF, Flow Cyt (Intra), IHC-P, WB, IP
种属反应性	**与反应:** Mouse, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Raji, NIH/3T3 and RAW 264.7 cell lysates. IHC-P: Human skin carcinoma, kidney, transitional cell carcinoma of bladder, glioma and solitary fibrous tumor tissues; Mouse kidney tissue. ICC/IF: HeLa cells. Flow Cyt (intra): HeLa cells. IP: NIH/3T3 cell lysate. ChIC/CUT&RUN-Seq: HeLa cells.
常规说明	ab215995 is the carrier-free version of **ab32520**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C. Do Not Freeze.
存储溶液	pH: 7.20 Constituent: PBS
无载体	**是**
纯度	Protein A purified
克隆	单克隆
克隆编号	YE361
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab215995于以下的经测试应用**

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

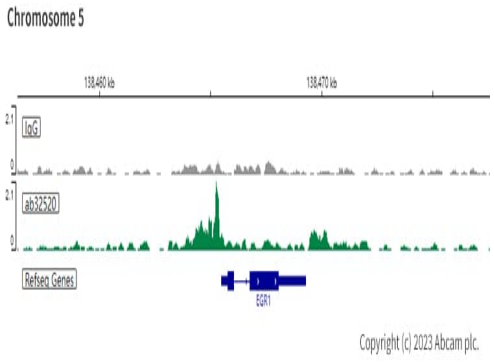
应用	Ab评论	说明
ChIC/CUT&RUN-seq		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
Flow Cyt (Intra)		Use at an assay dependent concentration. **ab199376** - Rabbit monoclonal IgG, is suitable for use as an isotype control.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See **IHC antigen retrieval protocols**.
WB		Use at an assay dependent concentration. Detects a band of approximately 100 kDa (predicted molecular weight: 94 kDa).
IP		Use at an assay dependent concentration.

靶标

功能	Carries out a dual function: signal transduction and activation of transcription. Involved in interleukin-4 signalling.
序列相似性	Belongs to the transcription factor STAT family. Contains 1 SH2 domain.

翻译后修饰	Tyrosine phosphorylated following stimulation by IL-4 and IL-3.
细胞定位	Cytoplasm. Nucleus. Translocated into the nucleus in response to phosphorylation.

图片



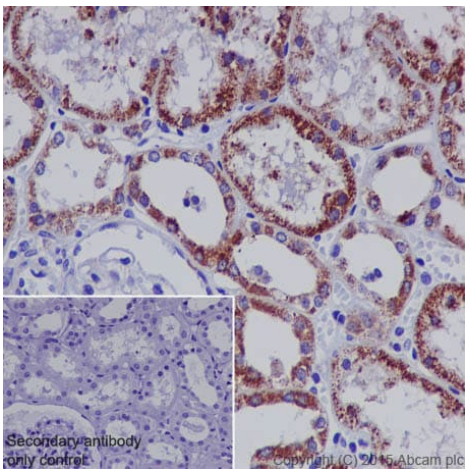
ChIC/CUT&RUN sequencing - Anti-STAT6 antibody [YE361] - BSA and Azide free (ab215995)

ChIC/CUT&RUN was performed using a pAG-MNAse at a final concentration of 700 ng/mL, 2.5 x 10^5 HeLa (Human cervix adenocarcinoma epithelial cell line) cells and 5µg of **ab32520** [YE361]. The resulting DNA was sequenced on the Illumina NovaSeq 6000 to a depth of 10 million reads. The negative IgG control **ab172730** is also shown.

Additional screenshots of mapped reads can be downloaded **here**.

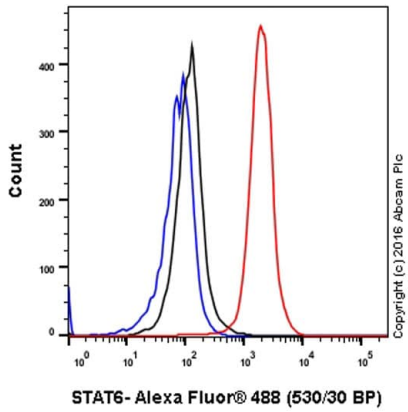
The University of Geneva owns patents relevant to ChIC (Chromatin Immuno-Cleavage) methods.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32520**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STAT6 antibody [YE361] - BSA and Azide free (ab215995)

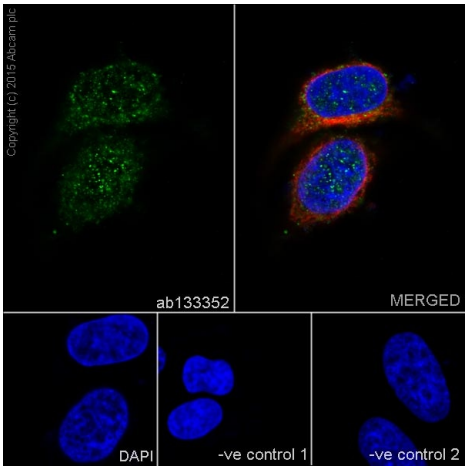
Immunohistochemical staining of paraffin embedded human kidney with purified **ab32520** at a working dilution of 1/50. The secondary antibody used is HRP goat anti-rabbit IgG H&L (**ab97051**) at 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was perfomed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32520**).



Flow Cytometry (Intracellular) - Anti-STAT6 antibody [YE361] - BSA and Azide free (ab215995)

Intracellular Flow Cytometry analysis of HeLa (human epithelial cell line from cervix adenocarcinoma) cells labeling STAT6 with purified **ab32520** at 1/30 dilution (10ug/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor® 488) (1/2000 dilution) was used as the secondary antibody. Rabbit monoclonal IgG (Black) was used as the isotype control, cells without incubation with primary antibody and secondary antibody (Blue) was used as the unlabeled control.

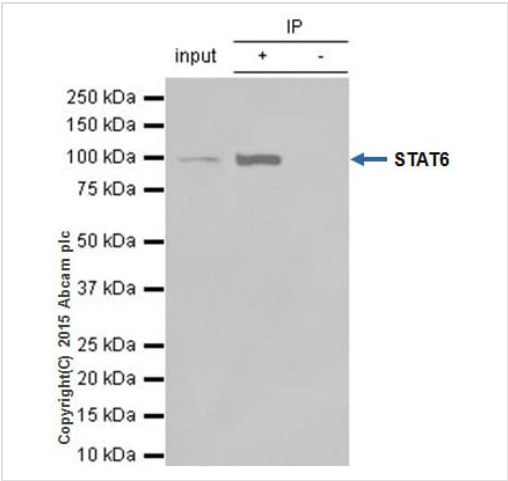
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32520**).



Immunocytochemistry/ Immunofluorescence - Anti-STAT6 antibody [YE361] - BSA and Azide free (ab215995)

Immunofluorescence staining of HeLa (human epithelial cell line from cervix adenocarcinoma) cells with purified **ab32520** at a working dilution of 1/100, counter-stained with DAPI. The secondary antibody was Alexa Fluor® 488 goat anti-rabbit (**ab150077**), used at a dilution of 1/1000. **ab7291**, a mouse anti-tubulin antibody (1/1000), was used to stain tubulin along with **ab150120** (Alexa Fluor® 594 goat anti-mouse, 1/1000), shown in the top right hand panel. The cells were fixed in 4% PFA and permeabilized using 0.1% Triton X 100. The negative controls are shown in bottom middle and right hand panels - for negative control 1, purified **ab32520** was used at a dilution of 1/500 followed by an Alexa Fluor® 594 goat anti-mouse antibody (**ab150120**) at a dilution of 1/500. For negative control 2, **ab7291** (mouse anti-tubulin) was used at a dilution of 1/500 followed by an Alexa Fluor® 488 goat anti-rabbit antibody (**ab150077**) at a dilution of 1/400.

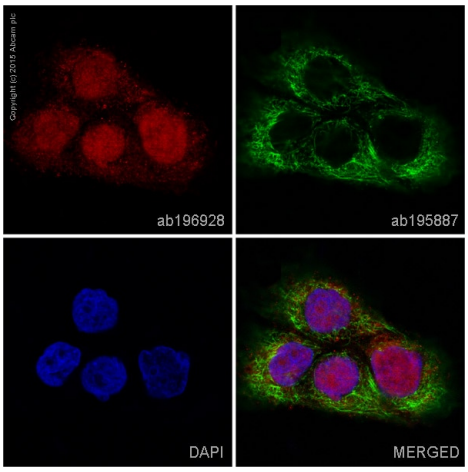
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32520**).



Immunoprecipitation - Anti-STAT6 antibody [YE361] - BSA and Azide free (ab215995)

ab32520 (purified) at 1/20 immunoprecipitating STAT6 in 10 µg NIH/3T3 (mouse embyro fibroblast cell line; Lanes 1 and 2, observed at 100 kDa). Lane 3 - PBS. For western blotting, VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/10,000 dilution. Blocking buffer and concentration: 5% NFDM/TBST Dilution buffer and concentration: 5% NFDM/TBST

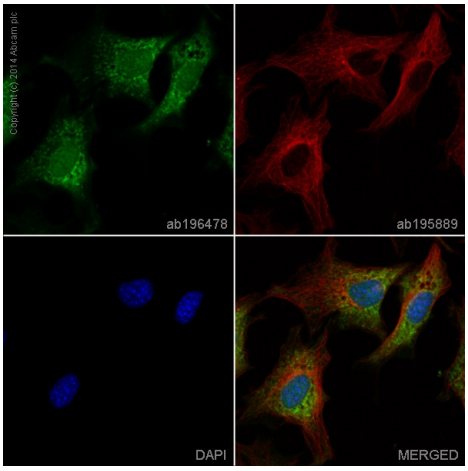
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32520**).



Immunocytochemistry/ Immunofluorescence - Anti-STAT6 antibody [YE361] - BSA and Azide free (ab215995)

Clone YE361 (ab215995) has been successfully conjugated by Abcam. This image was generated using Anti-STAT6 antibody [YE361] (Alexa Fluor® 647). Please refer to **ab196928** for protocol details.

ab196928 staining STAT6 in HACAT cells. The cells were fixed with 4% formaldehyde (10 min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 10% normal goat serum in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with **ab196928** at 1/200 dilution (shown in red) and **ab195887**, Mouse monoclonal to alpha Tubulin (Alexa Fluor® 488), at 1/200 dilution (shown in green). Nuclear DNA was labelled with DAPI (shown in blue).
Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

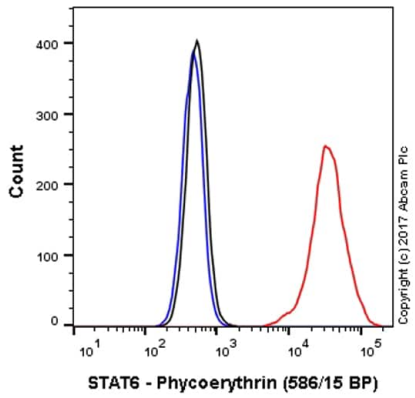


Immunocytochemistry/ Immunofluorescence - Anti-STAT6 antibody [YE361] - BSA and Azide free (ab215995)

Clone YE361 (ab215995) has been successfully conjugated by Abcam. This image was generated using Anti-STAT6 antibody [YE361] (Alexa Fluor® 488). Please refer to **ab196478** for protocol details.

ab196478 staining STAT6 in NIH3T3 cells. The cells were fixed with 100% methanol (5 min), permeabilised in 0.1% Triton X-100 for 5 minutes and then blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated with **ab196478** at 1/100 dilution (shown in green) and **ab195889**, Mouse monoclonal [DM1A] to alpha Tubulin (Alexa Fluor® 594, shown in red) at 1/167 dilution overnight at +4°C. Nuclear DNA was labelled in blue with DAPI.

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).



Flow Cytometry (Intracellular) - Anti-STAT6 antibody [YE361] - BSA and Azide free (ab215995)

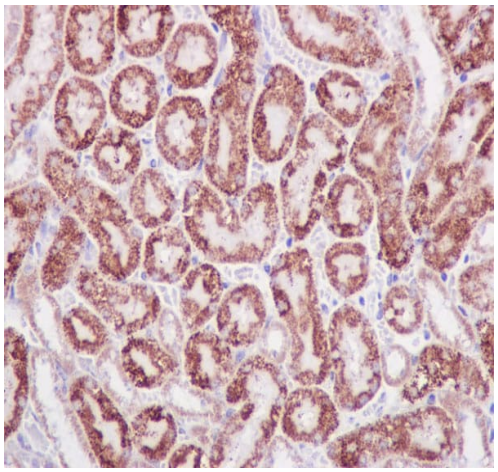
Clone YE361 (ab215995) has been successfully conjugated by Abcam. This image was generated using Anti-STAT6 antibody [YE361] (PE). Please refer to **ab223917** for protocol details.

Overlay histogram showing NIH3T3 cells stained with **ab223917** (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Triton X-100 for 15 min. The cells were then incubated in 1x PBS / 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (**ab223917**, 1/1000 dilution) for 30 min at 22°C.

Isotype control antibody (black line) was Rabbit IgG (monoclonal) Phycoerythrin (**ab209478**) used at the same concentration and conditions as the primary antibody. Unlabelled sample (blue line) was also used as a control.

Acquisition of >5,000 events were collected using a 50 mW Yellow/Green laser (561nm) and 586/15 bandpass filter.

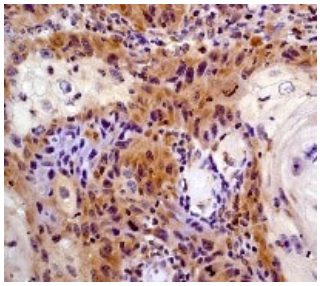
This antibody gave a positive signal in NIH3T3 cells fixed with 4% formaldehyde (10 min)/permeabilized with 0.1% PBS-Triton X-100 for 15 min used under the same conditions.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STAT6 antibody [YE361] - BSA and Azide free (ab215995)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse kidney tissue sections labelling STAT6 with unpurified **ab32520** at a dilution of 1/1000. HRP goat anti-rabbit (**ab97051**) was used at a dilution of 1/500. The antigen retrieval solution was Tris-EDTA buffer, pH 9.0.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32520**).

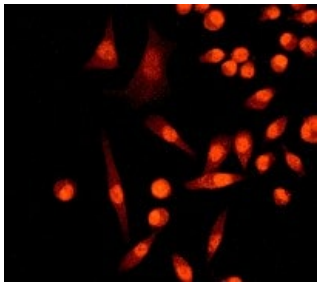


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STAT6 antibody [YE361] - BSA and Azide free (ab215995)

This IHC data was generated using the same anti-STAT6 antibody clone, YE361, in a different buffer formulation (cat# **ab32520**).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human skin carcinoma tissue labelling STAT6 with unpurified **ab32520** at 1/100.

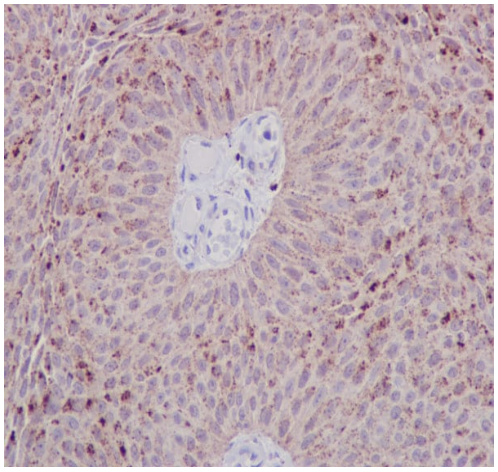
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-STAT6 antibody [YE361] - BSA and Azide free (ab215995)

Immunocytochemistry/Immunofluorescence analyis of HeLa (human epithelial cell line from cervix adenocarcinoma) cells labelling STAT6 with unpurified **ab32520** at 1/100.

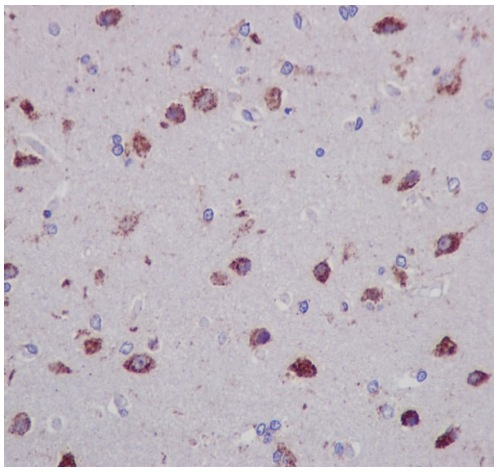
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32520**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STAT6 antibody [YE361] - BSA and Azide free (ab215995)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human transitional cell carcinoma of bladder tissue sections labelling STAT6 with unpurified **ab32520** at a dilution of 1/1000. HRP goat anti-rabbit (**ab97051**) was used at a dilution of 1/500. The antigen retrieval solution was Tris-EDTA buffer, pH 9.0.

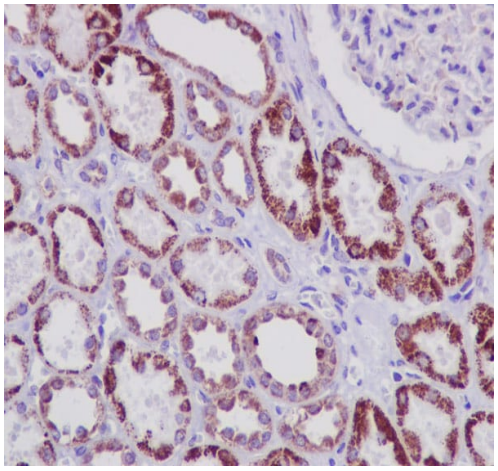
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32520**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STAT6 antibody [YE361] - BSA and Azide free (ab215995)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human glioma tissue sections labelling STAT6 with unpurified **ab32520** at a dilution of 1/1000. HRP goat anti-rabbit (**ab97051**) was used at a dilution of 1/500. The antigen retrieval solution was Tris-EDTA buffer, pH 9.0.

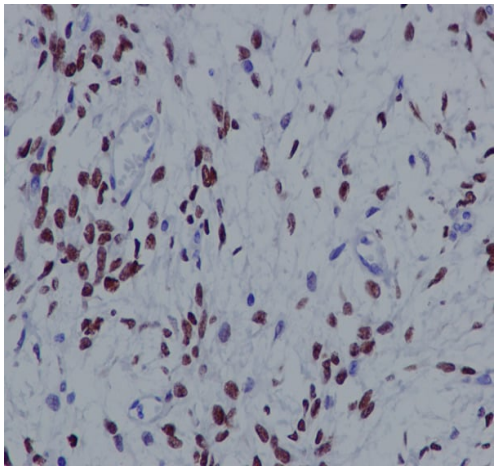
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32520**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STAT6 antibody [YE361] - BSA and Azide free (ab215995)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human kidney tissue sections labelling STAT6 with unpurified **ab32520** at a dilution of 1/1000. HRP goat anti-rabbit (**ab97051**) was used at a dilution of 1/500. The antigen retrieval solution was Tris-EDTA buffer, pH 9.0.

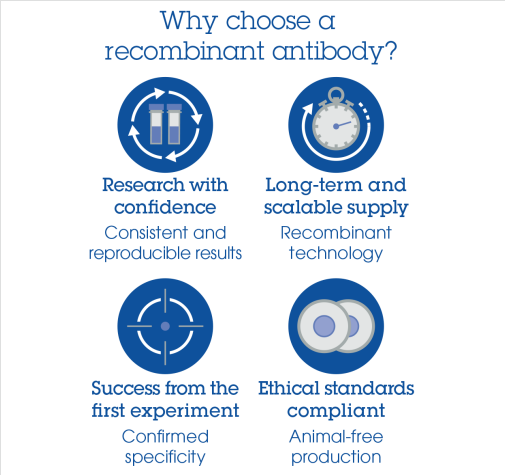
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32520**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STAT6 antibody [YE361] - BSA and Azide free (ab215995)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human solitary fibrous tumor tissue sections labelling STAT6 with unpurified **ab32520** at a dilution of 1/1000. HRP goat anti-rabbit (**ab97051**) was used at a dilution of 1/500. The antigen retrieval solution was Tris-EDTA buffer, pH 9.0.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32520**).



Anti-STAT6 antibody [YE361] - BSA and Azide free (ab215995)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.cn/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors