abcam

Product datasheet

Anti-STUB1/CHIP antibody [EPR4447] - BSA and Azide free ab238966

重组 RabMAb

5 图像

概述

产品名称	Anti-STUB1/CHIP抗体[EPR4447] - BSA and Azide free
描述	兔单克隆抗体[EPR4447] to STUB1/CHIP - BSA and Azide free
宿主	Rabbit
经测试应用	**适用于:** Flow Cyt (Intra), ICC/IF, WB, IP, IHC-P
种属反应性	**与反应:** Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	IHC-P: Human skeletal muscle tissue.
常规说明	ab238966 is the carrier-free version of **ab134064**.

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**.

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: 7.2 Constituent: PBS
无载体	是
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR4447
同种型	IgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab238966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。

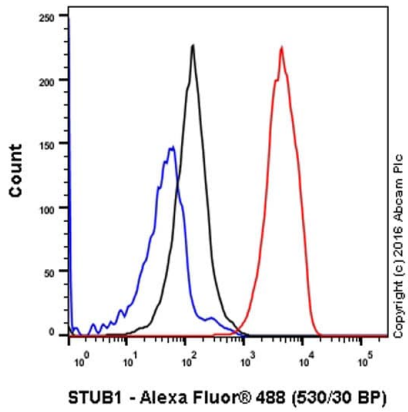
应用	Ab评论	说明
Flow Cyt (Intra)		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 35 kDa.
IP		Use at an assay dependent concentration.
IHC-P		1/100.

靶标

功能	E3 ubiquitin-protein ligase which targets misfolded chaperone substrates towards proteasomal degradation. Ubiquitinates NOS1 in concert with Hsp70 and Hsp40. Modulates the activity of several chaperone complexes, including Hsp70, Hsc70 and Hsp90. Mediates transfer of non-canonical short ubiquitin chains to HSPA8 that have no effect on HSPA8 degradation. Mediates polyubiquitination of DNA polymerase beta (POLB) at 'Lys-41', 'Lys-61' and 'Lys-81', thereby playing a role in base-excision repair: catalyzes polyubiquitination by amplifying the HUWE1/ARF-BP1-dependent monoubiquitination and leading to POLB-degradation by the proteasome. Mediates polyubiquitination of CYP3A4.
组织特异性	Highly expressed in skeletal muscle, heart, pancreas, brain and placenta. Detected in kidney, liver and lung.
通路	Protein modification; protein ubiquitination.
序列相似性	Contains 3 TPR repeats. Contains 1 U-box domain.
结构域	The TPR domain is essential for ubiquitination mediated by UBE2D1.

翻译后修饰	Phosphorylated upon DNA damage, probably by ATM or ATR. Auto-ubiquitinated; mediated by UBE2D1 and UBE2D2.
细胞定位	Cytoplasm.

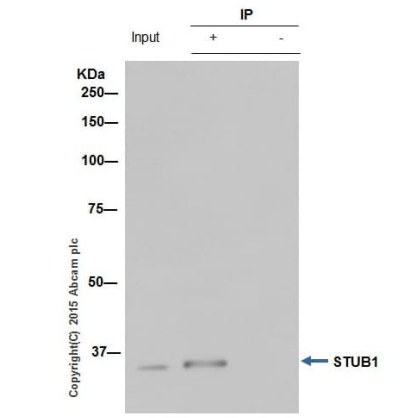
图片



Flow Cytometry (Intracellular) - Anti-STUB1/CHIP antibody [EPR4447] - BSA and Azide free (ab238966)

Intracellular Flow Cytometry analysis of SH-SY5Y (human neuroblastoma) cells labeling STUB1/CHIP with purified **ab134064** at 1/120 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) were used as the unlabeled control.

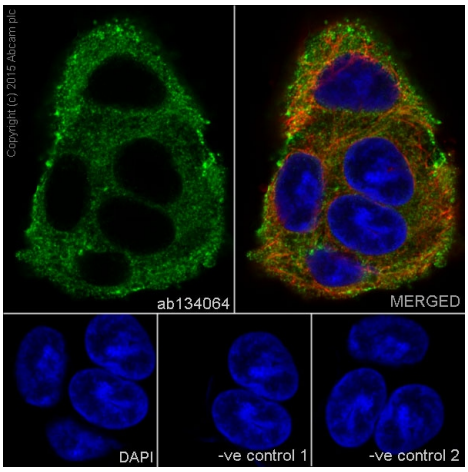
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab134064**).



Immunoprecipitation - Anti-STUB1/CHIP antibody [EPR4447] - BSA and Azide free (ab238966)

ab134064 (purified) at 1/120 immunoprecipitating STUB1/CHIP in 10 µg HeLa (Lanes 1 and 2, observed at 35 kDa). Lane 3 - PBS. For western blotting, a HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG was used as the secondary antibody (1/1500). Blocking buffer and concentration: 5% NFDM/TBST Dilution buffer and concentration: 5% NFDM/TBST

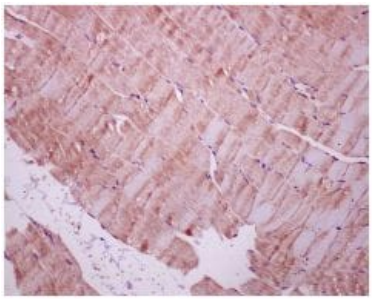
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab134064**).



Immunocytochemistry/ Immunofluorescence - Anti-STUB1/CHIP antibody [EPR4447] - BSA and Azide free (ab238966)

Immunofluorescence staining of SH-SY5Y cells with purified **ab134064** at a working dilution of 1/250, 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 100% methanol 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 **ab134064** 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 (**ab134064**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STUB1/CHIP antibody [EPR4447] - BSA and Azide free (ab238966)

Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue labelling STUB1/CHIP with unpurified **ab134064** at 1/100 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol and sodium azide (**ab134064**).

Anti-STUB1/CHIP antibody [EPR4447] - BSA and Azide free (ab238966)

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