abcam

Product datasheet

Anti-TIA1 antibody [EPR9304] - BSA and Azide free ab230829

敲除验证 重组 RabMAb

1 Abreviews 6 图像

概述

产品名称	Anti-TIA1抗体[EPR9304] - BSA and Azide free
描述	兔单克隆抗体[EPR9304] to TIA1 - BSA and Azide free
宿主	Rabbit
经测试应用	**适用于:** IP, ICC/IF, IHC-P, WB
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: HeLa, HuT-78, Jurkat, Molt4, NIH/3T3 and K562 cell lysates. IHC-P: Human spleen tissue. ICC/IF: HuT-78 cells. IP: HuT-78 cells.
常规说明	ab230829 is the carrier-free version of **ab140595**. 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. 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: 7.2

	Constituent: PBS
无载体	**是**
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR9304
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab230829于以下的经测试应用**

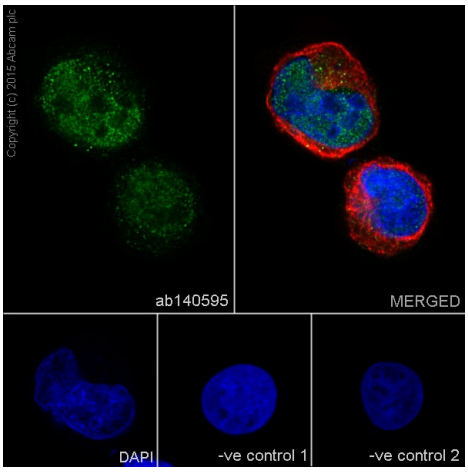
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IP		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
IHC-P	★☆☆☆☆ (1)	Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. See **IHC antigen retrieval protocols**.
WB		Use at an assay dependent concentration. Predicted molecular weight: 43 kDa.

靶标

功能	Involved in alternative pre-RNA splicing and regulation of mRNA translation by binding to AU-rich elements (AREs) located in mRNA 3' untranslated regions (3' UTRs). Possesses nucleolytic activity against cytotoxic lymphocyte target cells. May be involved in apoptosis.
序列相似性	Contains 3 RRM (RNA recognition motif) domains.
细胞定位	Cytoplasmic granule. Nucleus. Accumulates in cytoplasmic stress granules (SG) following cellular damage.

图片



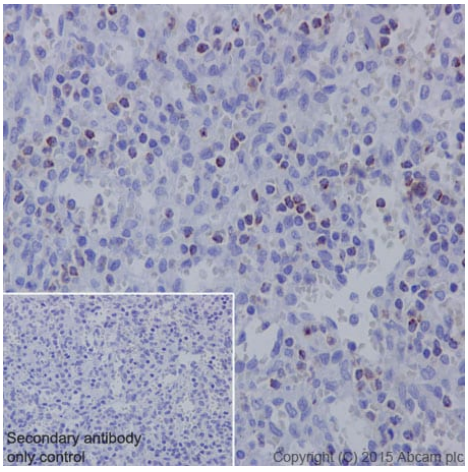
Immunocytochemistry/ Immunofluorescence - Anti-TIA1 antibody [EPR9304] - BSA and Azide free (ab230829)

Immunocytochemistry/Immunofluorescence analysis of HuT-78 cells labelling TIA1 with purified **ab140595** at 1/100. Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. **ab150077**, an Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody. DAPI (blue) was used as the nuclear counterstain. **ab7291**, a mouse anti-tubulin (1/1000) and **ab150120**, an Alexa Fluor® 594-conjugated goat anti-mouse IgG (1/1000) were also used.

Control 1: primary antibody (1/100) and secondary antibody, **ab150120**, an Alexa Fluor® 594-conjugated goat anti-mouse IgG (1/1000).

Control 2: **ab7291** (1/1000) and secondary antibody, **ab150077**, an Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/1000).

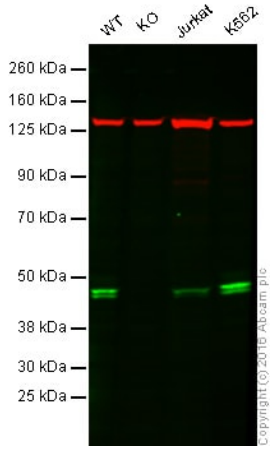
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab140595**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TIA1 antibody [EPR9304] - BSA and Azide free (ab230829)

This IHC data was generated using the same anti-TIA1 antibody clone, EPR9304, in a different buffer formulation (cat# **ab140595**).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human spleen tissue labelling TIA1 with purified **ab140595** at 1/1000. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. **ab97051**, a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.

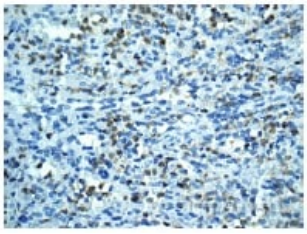


Western blot - Anti-TIA1 antibody [EPR9304] - BSA and Azide free (ab230829)

This WB data was generated using the same anti-TIA1 antibody clone, EPR9304, in a different buffer formulation (cat# **ab140595**).

Lane 1: Wild-type HAP1 cell lysate (40 µg)
Lane 2: TIA1 knockout HAP1 cell lysate (40 µg)
Lane 3: Jurkat cell lysate (40 µg)
Lane 4: K562 cell lysate (40 µg)
Lanes 1 - 4: Merged signal (red and green). Green - **ab140595** observed at 43 kDa. Red - loading control, **ab18058**, observed at 124 kDa.

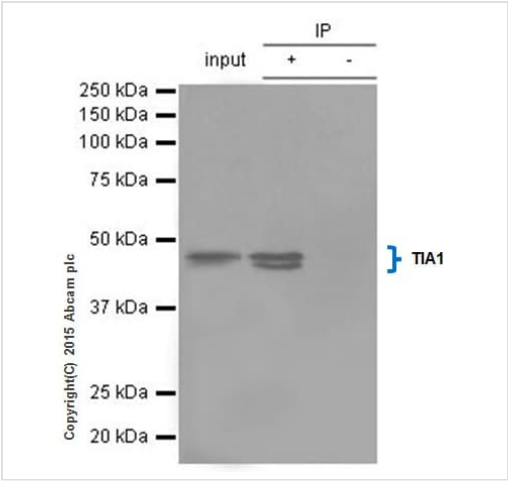
ab140595 was shown to specifically react with TIA1 when TIA1 knockout samples were used. Wild-type and TIA1 knockout samples were subjected to SDS-PAGE. Ab140595 and **ab18058** (loading control to Vinculin) were diluted at 1/1000 and 1/10000 dilution respectively and incubated overnight at 4C. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed **ab216776** secondary antibodies at 1/10000 dilution for 1 hour at room temperature before imaging.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TIA1 antibody [EPR9304] - BSA and Azide free (ab230829)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human spleen tissue labelling TIA1 with unpurified **ab140595** at a dilution of 1/100.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab140595**).



Immunoprecipitation - Anti-TIA1 antibody [EPR9304] - BSA and Azide free (ab230829)

ab140595 (purified) at 1/40 immunoprecipitating TIA1 in HuT-78 whole cell lysate.

Lane 1 (input): HuT-78 whole cell lysate (10µg)

Lane 2 (+): **ab140595** + HuT-78 whole cell lysate.

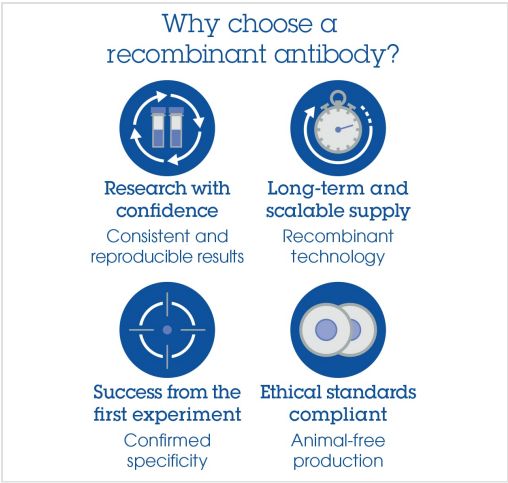
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of **ab140595** in HuT-78 whole cell lysate.

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.

Diluting 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 (**ab140595**).



Anti-TIA1 antibody [EPR9304] - BSA and Azide free (ab230829)

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