

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

KO 評価済 リコンビナント RabMAb

★★★★★ 1 Abreviews 画像数 6

#### 製品の概要

製品名	Anti-TIA1 antibody [EPR9304] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR9304] to TIA1 - BSA and Azide free
由来種	Rabbit
アプリケーション	適用あり: IP, ICC/IF, IHC-P, WB
種交差性	交差種: Mouse, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	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.
特記事項	<p>ab230829 is the carrier-free version of <a href="#">ab140595</a>.</p> <p>Our <b>carrier-free</b> 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.</p> <p>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.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</p>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.2

	Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR9304
アイソタイプ	IgG

## アプリケーション

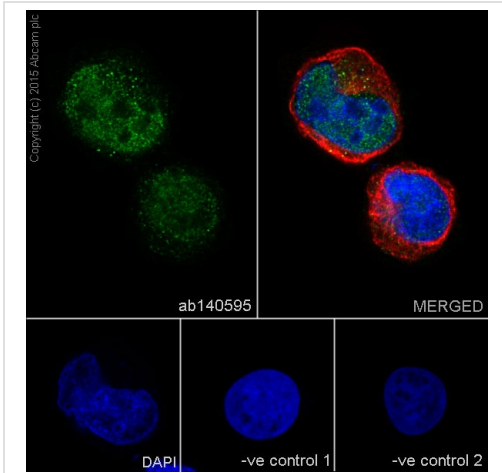
**The Abpromise guarantee** Abpromise保証は、次のテスト済みアプリケーションにおけるab230829の使用に適用されず  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
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 <a href="#">IHC antigen retrieval protocols</a> .
WB		Use at an assay dependent concentration. Predicted molecular weight: 43 kDa.

## ターゲット情報

機能	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.
配列類似性	Contains 3 RRM (RNA recognition motif) domains.
細胞内局在	Cytoplasmic granule. Nucleus. Accumulates in cytoplasmic stress granules (SG) following cellular damage.

## 画像



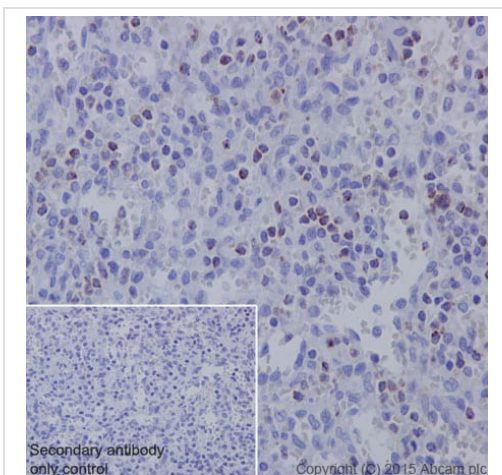
Immunocytochemistry/ Immunofluorescence - Anti-TIA1 antibody [EPR9304] - BSA and Azide free (ab230829)

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<sup>®</sup> 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<sup>®</sup> 594-conjugated goat anti-mouse IgG (1/1000) were also used.

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

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

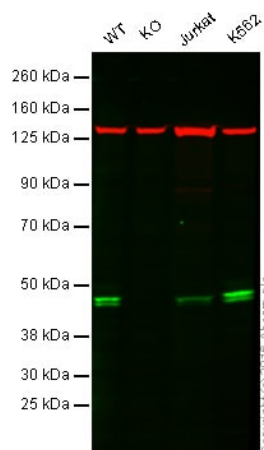
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab140595**).



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)

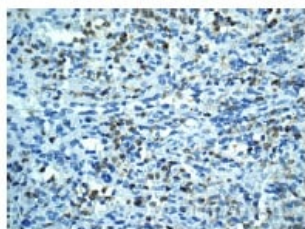
**Lane 2:** TIA1 knockout HAP1 cell lysate (40 µg)

**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.

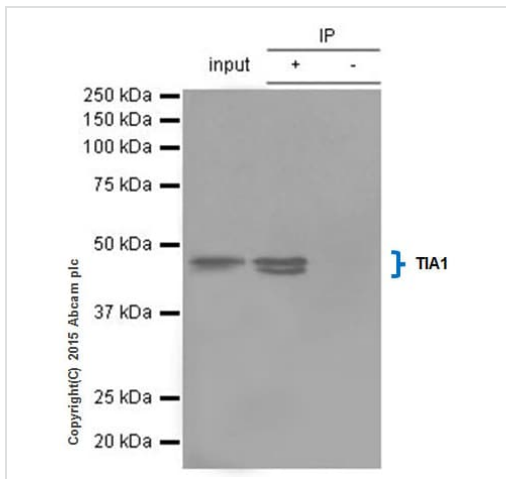
[ab140595](#) was shown to specifically react with TIA1 when TIA1 knockout samples were used. Wild-type and TIA1 knockout samples were subjected to SDS-PAGE. Ab140595 and [ab18058](#) (loading control to Vinculin) were diluted at 1/1000 and 1/10000 dilution respectively and incubated overnight at 4C. 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**).

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

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

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