abcam

Product datasheet

Anti-ATE1 antibody [EPR13667(2)] - N-terminal ab199423

Recombinant RabMAb

1 References 9 Images

Overview

Product name	Anti-ATE1 antibody [EPR13667(2)] - N-terminal
Description	Rabbit monoclonal [EPR13667(2)] to ATE1 - N-terminal
Host species	Rabbit
Tested applications	**Suitable for:** Flow Cyt (Intra), IHC-P, WB
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HepG2, HeLa and 293 whole cell lysate. Human fetal liver tissue lysate. Mouse brain and spleen tissue lysate. C6, Raw264.7, PC-12 and NIH/3T3 whole cell lysates. Mouse and Rat kidney tissue lysate. Rat spleen tissue lysate. IHC: Mouse liver tissue, Human hepatocellular carcinoma tissue, Rat kidney tissue. ICC/IF: HepG2 cells. Flow Cyt (intra): HeLa cells
General notes	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**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR13667(2)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab199423 in the following tested applications.

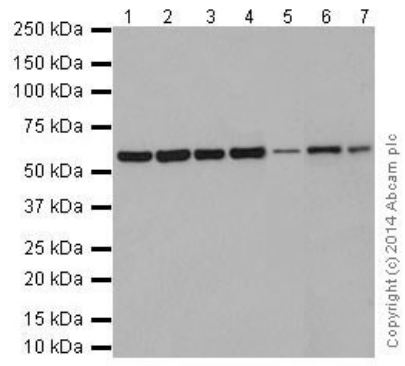
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		1/220. **ab172730** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IHC-P		1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/1000. Detects a band of approximately 59 kDa (predicted molecular weight: 59 kDa).

Target

Function	Involved in the post-translational conjugation of arginine to the N-terminal aspartate or glutamate of a protein. This arginylation is required for degradation of the protein via the ubiquitin pathway. Does not arginylate cysteine residues.
Sequence similarities	Belongs to the R-transferase family.
Cellular localization	Cytoplasm and Nucleus. Cytoplasm.

Images



Western blot - Anti-ATE1 antibody [EPR13667(2)] - N-terminal (ab199423)

All lanes : Anti-ATE1 antibody [EPR13667(2)] - N-terminal (ab199423) at 1/1000 dilution

Lane 1 : C6 (Rat glial tumor cells) whole cell lysate
Lane 2 : Raw264.7 (Mouse macrophage cells transformed with Abelson murine leukemia virus) whole cell lysate
Lane 3 : PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysate
Lane 4 : NIH/3T3 (Mouse embryo fibroblast cells) whole cell lysate
Lane 5 : Mouse kidney tissue lysate
Lane 6 : Rat kidney tissue lysate
Lane 7 : Rat spleen tissue lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

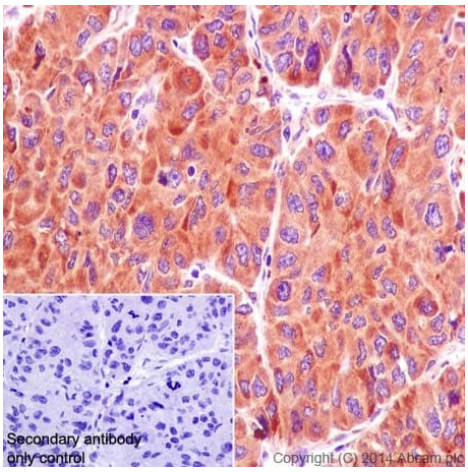
Developed using the ECL technique.

Predicted band size: 59 kDa

Observed band size: 59 kDa

Exposure time: 3 minutes

Blocking and diluting buffer 5% NFDM/TBST

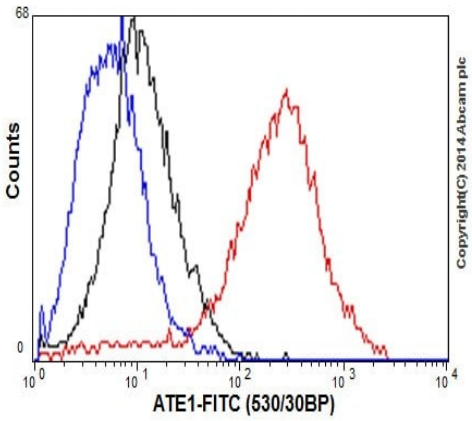


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATE1 antibody [EPR13667(2)] - N-terminal (ab199423)

Immunohistochemical analysis of paraffin-embedded human hepatocellular carcinoma tissue labeling ATE1 with ab199423 at 1/250 followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500. Cytoplasmic staining on human hepatocellular carcinoma tissue is observed (Subcellular location: Nucleus and cytoplasm [UniProt]). Counter-stained with hematoxylin.

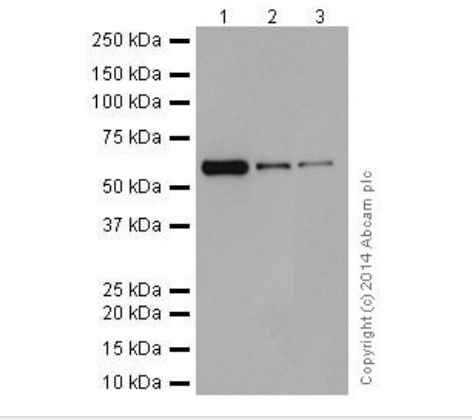
Negative control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-ATE1 antibody [EPR13667(2)] - N-terminal (ab199423)

Intracellular flow cytometric analysis of 2% paraformaldehyde-fixed HeLa (Human epithelial cells from cervix adenocarcinoma) cells labeling ATE1 with ab199423 at 1/220 dilution (red) compared with a rabbit monoclonal IgG isotype control (black) and a unlabelled control (cells without incubation with primary antibody and secondary antibody; blue). Goat anti rabbit IgG (FITC) at 1/150 dilution was used as the secondary antibody.



Western blot - Anti-ATE1 antibody [EPR13667(2)] - N-terminal (ab199423)

All lanes : Anti-ATE1 antibody [EPR13667(2)] - N-terminal (ab199423) at 1/10000 dilution

Lane 1 : HepG2 (Human liver hepatocellular carcinoma) whole cell lysate
Lane 2 : HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate
Lane 3 : 293 (Human epithelial cells from embryonic kidney) whole cell lysate

Lysates/proteins at 20 µg per lane.

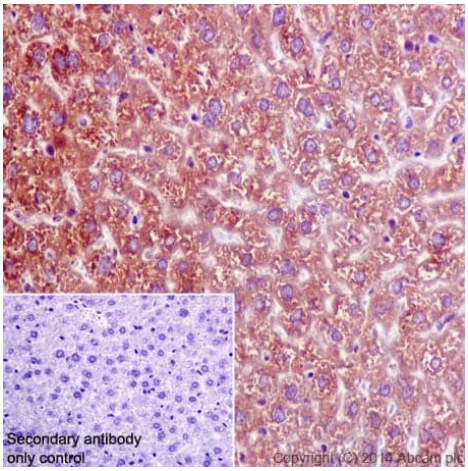
Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 59 kDa
Observed band size: 59 kDa

Exposure time: 3 minutes

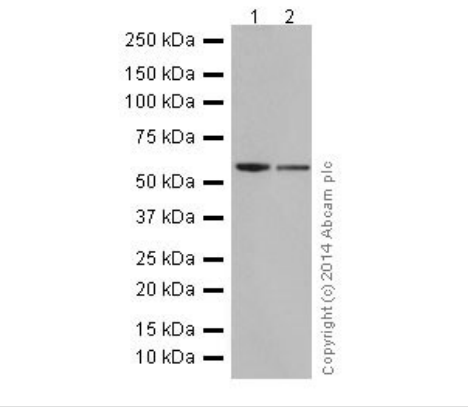
Blocking and diluting buffer 5% NFDM/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATE1 antibody [EPR13667(2)] - N-terminal (ab199423)

Immunohistochemical analysis of paraffin-embedded Mouse liver tissue labeling ATE1 with ab199423 at 1/250 followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500. Cytoplasm staining on Mouse liver tissue is observed (Subcellular location: Nucleus and Cytoplasm [UniProt]) . Counter stained with Hematoxylin.
Negative control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-ATE1 antibody [EPR13667(2)] - N-terminal (ab199423)

All lanes : Anti-ATE1 antibody [EPR13667(2)] - N-terminal (ab199423) at 1/1000 dilution

Lane 1 : Mouse brain tissue lysate
Lane 2 : Mouse spleen tissue lysate

Lysates/proteins at 10 µg per lane.

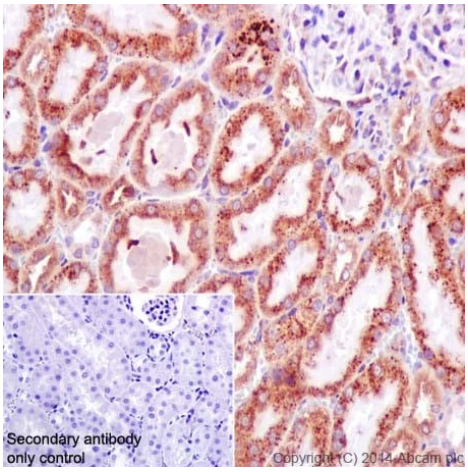
Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 59 kDa
Observed band size: 59 kDa

Exposure time: 1 minute

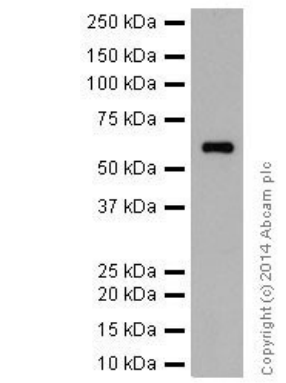
Blocking and diluting buffer 5% NFDM/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATE1 antibody [EPR13667(2)] - N-terminal (ab199423)

Immunohistochemical analysis of paraffin-embedded Rat kidney tissue labeling ATE1 with ab199423 at 1/250 followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500. Cytoplasm staining on Rat kidney tissue is observed (Subcellular location: Nucleus and Cytoplasm [UniProt]) . Counter stained with Hematoxylin.
Negative control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-ATE1 antibody [EPR13667(2)] - N-terminal (ab199423)

Anti-ATE1 antibody [EPR13667(2)] - N-terminal (ab199423) at 1/10000 dilution + Human fetal liver tissue lysate at 10 µg

Secondary
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 59 kDa
Observed band size: 59 kDa

Exposure time: 10 seconds

Blocking and diluting buffer 5% NFDM/TBST

Anti-ATE1 antibody [EPR13667(2)] - N-terminal (ab199423)

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.com/abpromise** or contact our technical team.

Terms and conditions

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