abcam

Product datasheet

Anti-ATE1 antibody [EPR13667(2)] - BSA and Azide free ab232619

Recombinant RabMAb

5 Images

Overview

Product name	Anti-ATE1 antibody [EPR13667(2)] - BSA and Azide free
Description	Rabbit monoclonal [EPR13667(2)] to ATE1 - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** Flow Cyt (Intra), WB, IHC-P
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human hepatocellular carcinoma tissue.
General notes	ab232619 is the carrier-free version of **ab199423**. 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**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR13667(2)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab232619 in the following tested applications.

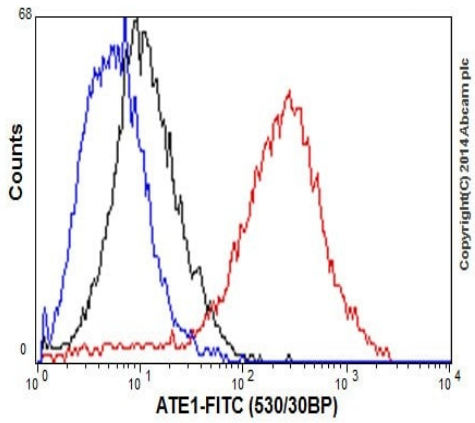
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

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.

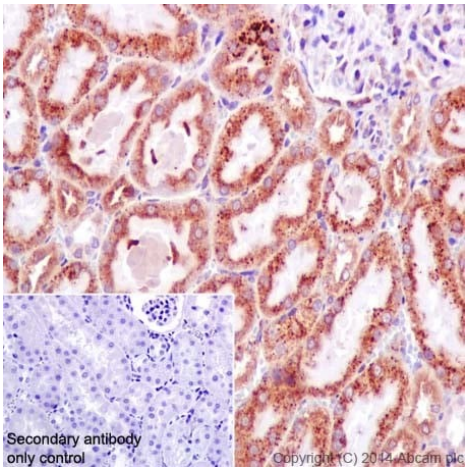
Images



Flow Cytometry (Intracellular) - Anti-ATE1 antibody [EPR13667(2)] - BSA and Azide free (ab232619)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab199423**).

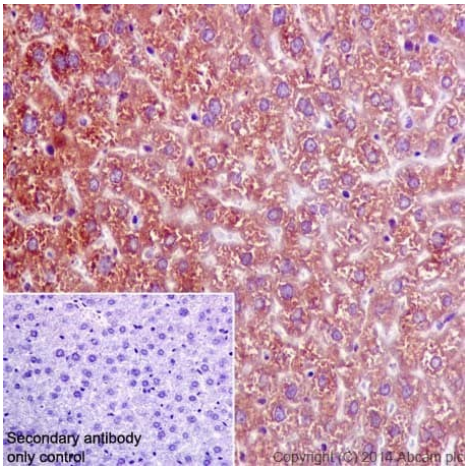


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATE1 antibody [EPR13667(2)] - BSA and Azide free (ab232619)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab199423**).

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

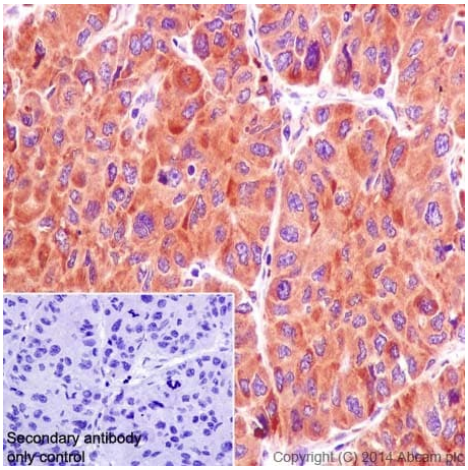


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATE1 antibody [EPR13667(2)] - BSA and Azide free (ab232619)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab199423**).

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATE1 antibody [EPR13667(2)] - BSA and Azide free (ab232619)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab199423**).

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Anti-ATE1 antibody [EPR13667(2)] - BSA and Azide free (ab232619)

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