


Anti-ENT2 antibody [EPR11674] - BSA and Azide free ab231685

Recombinant RabMAb

4 Images

Overview

Product name	Anti-ENT2 antibody [EPR11674] - BSA and Azide free
Description	Rabbit monoclonal [EPR11674] to ENT2 - BSA and Azide free
Host species	Rabbit
Specificity	May be unsuitable with mouse in WB.
Tested applications	Suitable for: Flow Cyt (Intra), WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab231685 is the carrier-free version of ab181192.</p> <p>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.</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 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.</p> <p>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.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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	EPR11674
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab231685 in the following tested applications.

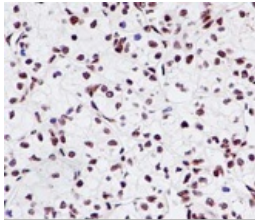
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		Use at an assay dependent concentration. ab199376 - 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 55-60 kDa (predicted molecular weight: 50 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.
ICC/IF		Use at an assay dependent concentration.

Target

Function	Mediates equilibrative transport of purine, pyrimidine nucleosides and the purine base hypoxanthine. Very less sensitive than SLC29A1 to inhibition by nitrobenzylthioinosine (NBMPR), dipyridamole, dilazep and draflazine.
Tissue specificity	Expressed in skeletal muscle, liver, lung, placenta, brain, heart, kidney and ovarian tissues.
Sequence similarities	Belongs to the SLC29A/ENT transporter (TC 2.A.57) family.
Cellular localization	Basolateral cell membrane. Nucleus membrane. Localized at the basolateral cell membrane in polarized MDCK cells.

Images

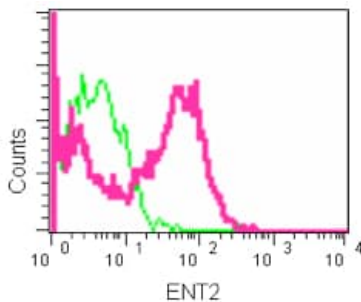


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ENT2 antibody [EPR11674] - BSA and Azide free (ab231685)

Immunohistochemical analysis of paraffin-embedded human clear cell carcinoma of the kidney tissue labeling ENT2 with **ab181192** at 1/250 dilution and counterstained with Hematoxylin.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab181192**).

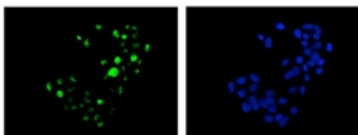
Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-ENT2 antibody [EPR11674] - BSA and Azide free (ab231685)

Intracellular flow cytometric analysis of HepG2 cells fixed in 2% paraformaldehyde labeling ENT2 with **ab181192** at 1/10 dilution and Goat anti-FITC at 1/150 dilution (pink). Rabbit monoclonal IgG was used as isotype control.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab181192**).



Immunocytochemistry/ Immunofluorescence - Anti-ENT2 antibody [EPR11674] - BSA and Azide free (ab231685)

Immunocytochemical analysis of HepG2 cells fixed in 4% paraformaldehyde labeling ENT2 with **ab181192** at 1/250 dilution and Goat anti rabbit IgG (Alexa Fluor® 488) 1/200 dilution (green). Counterstained with DAPI (blue).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab181192**).

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

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