

Product datasheet

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

Recombinant RabMAb

3 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
Tested applications	Suitable for: WB, IHC-P, ICC/IF, Flow Cyt
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human ENT2 aa 1-100. The exact sequence is proprietary. Database link: Q14542
General notes	<p>Ab231685 is the carrier-free version of ab181192. This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.</p> <p>Our carrier-free formats are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.</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>ab231685 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm.</p> <p><i>Maxpar® is a trademark of Fluidigm Canada Inc.</i></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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR11674
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab231685** in the following tested applications.

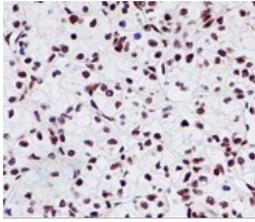
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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.
Flow Cyt		Use at an assay dependent concentration. ab199376 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

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

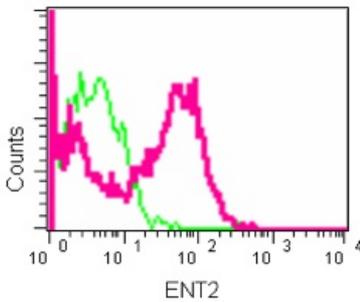


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ENT2 antibody [EPR11674] - BSA and Azide free (ab231685)

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](#)).

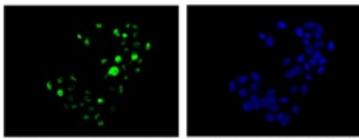
Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



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

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](#)).

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