abcam

Product datasheet

Anti-Stomatin antibody [EPR10421] ab166623

Recombinant RabMAb

2 References 5 Images

Overview

Product name	Anti-Stomatin antibody [EPR10421]
Description	Rabbit monoclonal [EPR10421] to Stomatin
Host species	Rabbit
Tested applications	**Suitable for:** Flow Cyt (Intra), WB, ICC/IF, IP **Unsuitable for:** IHC-P
Species reactivity	**Reacts with:** Mouse, Human **Predicted to work with:** Rat
Immunogen	Synthetic peptide corresponding to Human Stomatin. Database link: **P27105**
Positive control	Human fetal heart, HeLa, HepG2, Neuro-2a and Raw264.7 lysates, HeLa cells, permeabilized Neuro-2a cells, immunoprecipitation pellet from fetal heart lysate
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. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal

Clone number	EPR10421
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab166623 in the following tested applications.

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

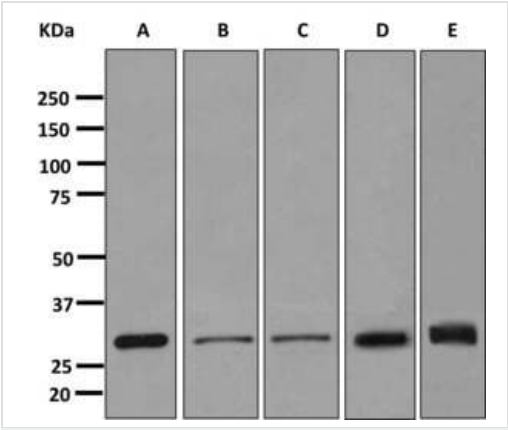
Application	Abreviews	Notes
Flow Cyt (Intra)		1/10 - 1/100. **ab172730** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/10000. Predicted molecular weight: 32 kDa.
ICC/IF		1/100 - 1/250.
IP		1/10 - 1/100.

Application notes Is unsuitable for IHC-P.

Target

Function	Thought to regulate cation conductance. May regulate ACCN1 and ACCN3 gating.
Tissue specificity	Widely expressed.
Sequence similarities	Belongs to the band 7/mec-2 family.
Cellular localization	Cell membrane. Cell membrane. Melanosome. Exposed on the cytoplasmic surface of the membrane. Associated with lipid rafts. Concentrates preferentially in plasma membrane protrusions and in a juxta-nuclear region which may represent Golgi-derived vesicles. Colocalizes with actin. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Images



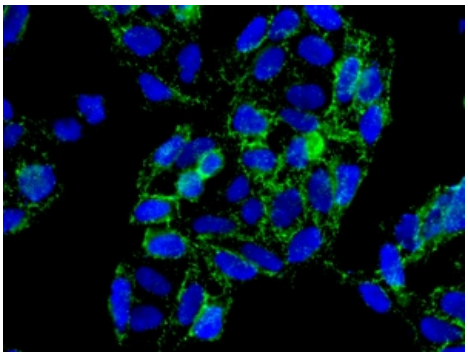
Western blot - Anti-Stomatin antibody [EPR10421] (ab166623)

All lanes : Anti-Stomatin antibody [EPR10421] (ab166623) at 1/1000 dilution

Lane 1 : Human fetal heart tissue lysate
Lane 2 : HeLa cell lysate
Lane 3 : HepG2 cell lysate
Lane 4 : Neuro-2a lysate
Lane 5 : RAW 264.7 cell lysate

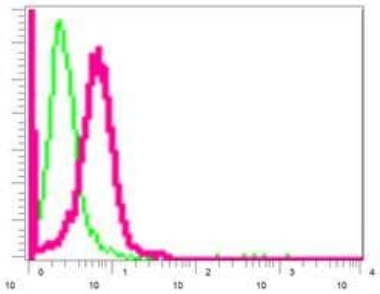
Lysates/proteins at 10 µg per lane.

Predicted band size: 32 kDa



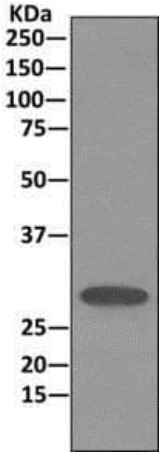
Immunocytochemistry/ Immunofluorescence - Anti-Stomatin antibody [EPR10421] (ab166623)

Immunofluorescence analysis of HeLa cells labeling Stomatin with ab166623 at 1/100 dilution.



Flow Cytometry (Intracellular) - Anti-Stomatin antibody [EPR10421] (ab166623)

Intracellular flow cytometric analysis of permeabilized Neuro-2a cells using ab166623 (red) at 1/10 dilution or a rabbit IgG (negative) (green).



Immunoprecipitation - Anti-Stomatin antibody [EPR10421] (ab166623)

Immunoprecipitation of Stomatin in pellet from Human fetal heart lysate using ab166623 at 1/10 dilution, followed by WB analysis of Stomatin.

Anti-Stomatin antibody [EPR10421] (ab166623) at 1/1000 dilution + immunoprecipitation pellet from Human fetal heart lysate at 10 µg

Anti-Stomatin antibody [EPR10421] (ab166623)

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