abcam

Product datasheet

Anti-Stomatin antibody [EPR10420] ab169524

Recombinant RabMAb

★★★★★ 2 Abreviews 2 References 5 Images

Overview

Product name	Anti-Stomatin antibody [EPR10420]
Description	Rabbit monoclonal [EPR10420] to Stomatin
Host species	Rabbit
Tested applications	**Suitable for:** Flow Cyt (Intra), WB, ICC/IF **Unsuitable for:** IHC-P
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide corresponding to Human Stomatin. Database link: **P27105**
Positive control	Human fetal heart, HeLa and HepG2 lysates; HeLa cells; Immunoprecipitation pellet from HepG2 whole cell lysate (**ab7900**).
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**. Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

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.
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	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR10420
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab169524 in the following tested applications.

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

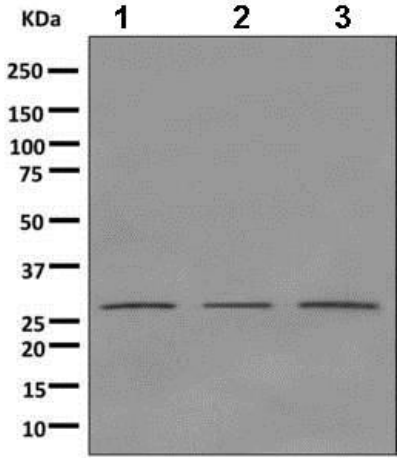
Application	Abreviews	Notes
Flow Cyt (Intra)		1/10 - 1/100. **ab172730** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB	★★★★★ (2)	1/1000 - 1/5000. Predicted molecular weight: 32 kDa.
ICC/IF		1/100 - 1/250.

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 [EPR10420] (ab169524)

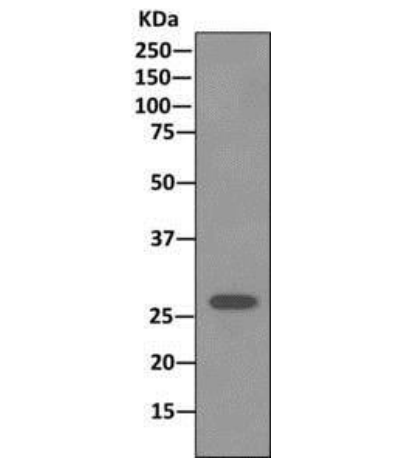
All lanes : Anti-Stomatin antibody [EPR10420] (ab169524) at 1/1000 dilution

Lane 1 : Human fetal heart tissue lysate
Lane 2 : HeLa cell lysate
Lane 3 : HepG2 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : HRP labeled goat anti-rabbit at 1/2000 dilution

Predicted band size: 32 kDa

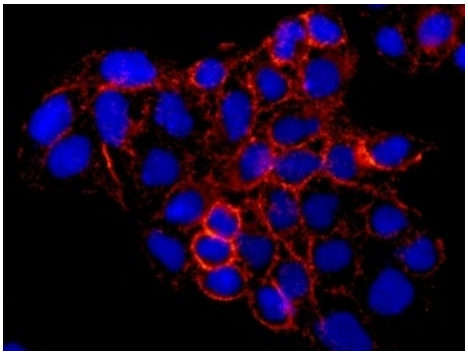


Western blot - Anti-Stomatin antibody [EPR10420] (ab169524)

Anti-Stomatin antibody [EPR10420] (ab169524) at 1/1000 dilution + immunoprecipitation pellet from HepG2 cell lysate

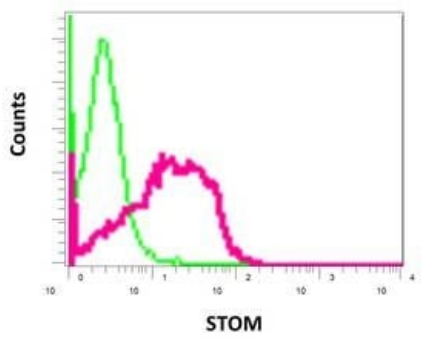
Secondary
HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG

Predicted band size: 32 kDa



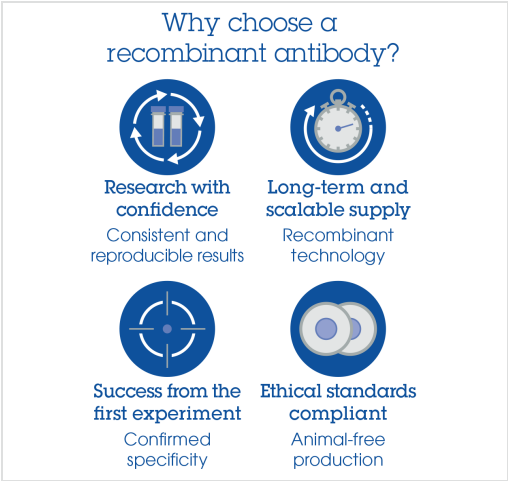
Immunocytochemistry/ Immunofluorescence - Anti-Stomatin antibody [EPR10420] (ab169524)

Immunofluorescent analysis of HeLa cells labeling Stomatin with ab169524 at 1/100 dilution. DAPI nuclear staining (blue).



Intracellular flow cytometric analysis of permeabilized HeLa cells labeling Stomatin with ab169524 at 1/10 dilution (red) compared to a rabbit IgG negative control (green).

Flow Cytometry (Intracellular) - Anti-Stomatin antibody [EPR10420] (ab169524)



Anti-Stomatin antibody [EPR10420] (ab169524)

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