

Anti-Septin 8 antibody [EPR16099] ab191404

Recombinant **RabMAb**

9 Images

Overview

Product name	Anti-Septin 8 antibody [EPR16099]
Description	Rabbit monoclonal [EPR16099] to Septin 8
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF, IP, Flow Cyt (Intra)
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	K562, HeLa, HCT-116, U-87 MG, C6, PC-12 and NIH/3T3 cell lysates; Human stomach and mouse brain tissues; K562 and C6 cells.
General notes	<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	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR16099
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab191404 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		1/1000 - 1/10000. Detects a band of approximately 56 kDa (predicted molecular weight: 56 kDa).
IHC-P		1/200. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		1/200.
IP		1/50.
Flow Cyt (Intra)		1/150. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Target

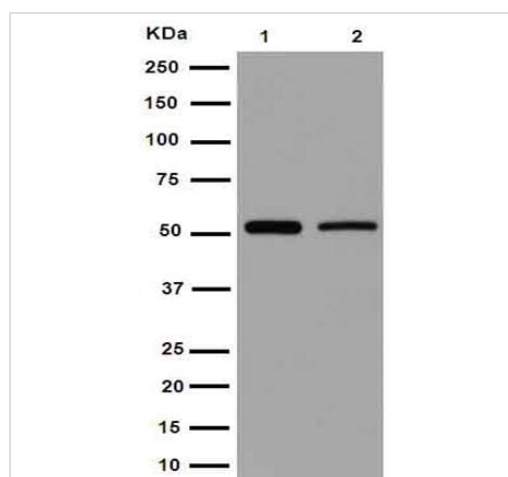
Relevance

Septin 8 (SEPT8) is a member of the highly conserved septin family. Septins are 40- to 60-kD GTPases that assemble as filamentous scaffolds. They are involved in the organization of submembranous structures, in neuronal polarity, and in vesicle trafficking. There are 3 isoforms produced by alternative splicing.

Cellular localization

Cytoplasmic; cytoskeleton.

Images



Western blot - Anti-Septin 8 antibody [EPR16099] (ab191404)

All lanes : Anti-Septin 8 antibody [EPR16099] (ab191404) at 1/10000 dilution

Lane 1 : K562 cell lysate

Lane 2 : HeLa cell lysate

Lysates/proteins at 20 µg per lane.

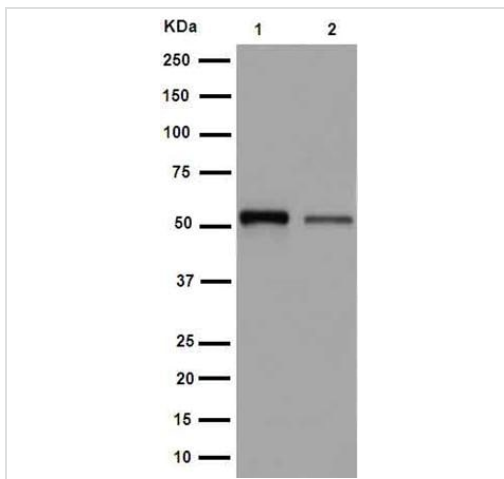
Secondary

All lanes : Goat anti-rabbit IgG, (H+L), peroxidase conjugated at 1/1000 dilution

Predicted band size: 56 kDa

Observed band size: 56 kDa

Blocking/Dilution buffer: 5% NFDM /TBST.



Western blot - Anti-Septin 8 antibody [EPR16099] (ab191404)

All lanes : Anti-Septin 8 antibody [EPR16099] (ab191404) at 1/1000 dilution

Lane 1 : HCT-116 cell lysate

Lane 2 : U-87 MG cell lysate

Lysates/proteins at 20 µg per lane.

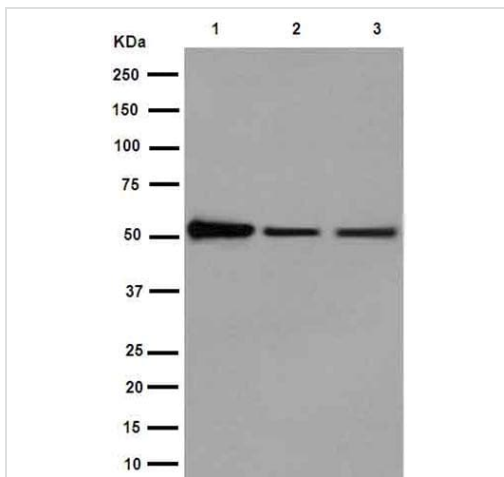
Secondary

All lanes : Goat anti-rabbit IgG, (H+L), peroxidase conjugated at 1/1000 dilution

Predicted band size: 56 kDa

Observed band size: 56 kDa

Blocking/Dilution buffer: 5% NFDM /TBST.



Western blot - Anti-Septin 8 antibody [EPR16099] (ab191404)

All lanes : Anti-Septin 8 antibody [EPR16099] (ab191404) at 1/1000 dilution

Lane 1 : C6 cell lysate

Lane 2 : PC-12 cell lysate

Lane 3 : NIH/3T3 cell lysate

Lysates/proteins at 10 µg per lane.

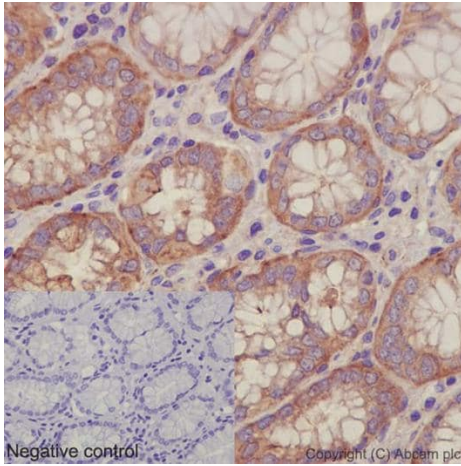
Secondary

All lanes : Goat anti-rabbit IgG, (H+L), peroxidase conjugated at 1/1000 dilution

Predicted band size: 56 kDa

Observed band size: 56 kDa

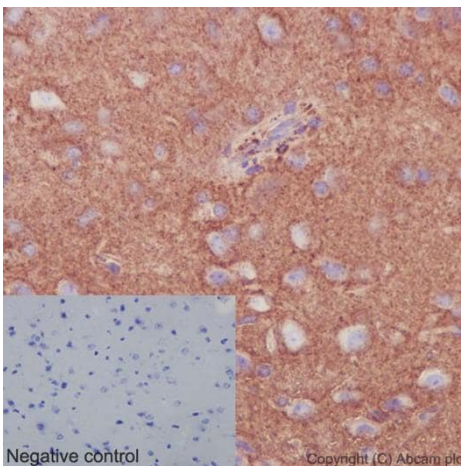
Blocking/Dilution buffer: 5% NFDM /TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Septin 8 antibody [EPR16099] (ab191404)

Immunohistochemical analysis of paraffin-embedded, Human stomach tissue labeling Septin 8 with ab191404 at 1/200 dilution, followed by prediluted HRP Polymer for Rabbit/Mouse IgG. Counter stained with Hematoxylin. In the negative control PBS was used instead of primary antibody.

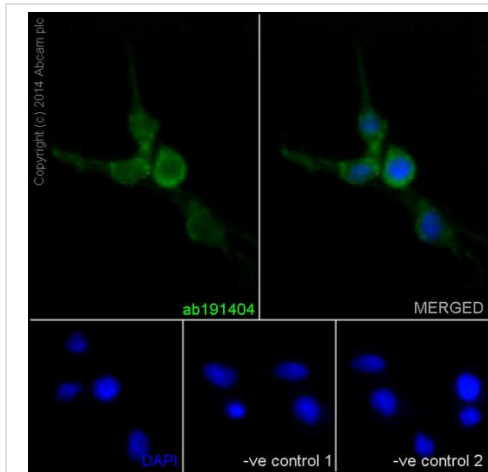
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Septin 8 antibody [EPR16099] (ab191404)

Immunohistochemical analysis of paraffin-embedded mouse brain tissue labeling Septin 8 with ab191404 at 1/200 dilution, followed by prediluted HRP Polymer for Rabbit/Mouse IgG. Counter stained with Hematoxylin. In the negative control PBS was used instead of primary antibody.

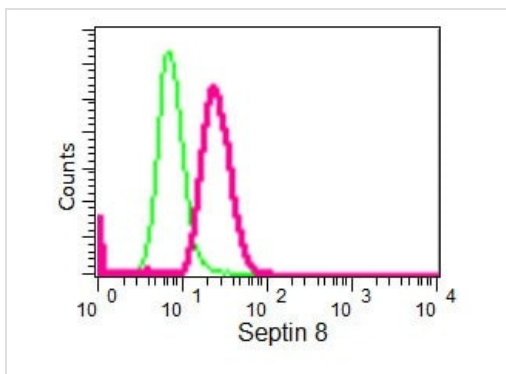
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-Septin 8 antibody [EPR16099] (ab191404)

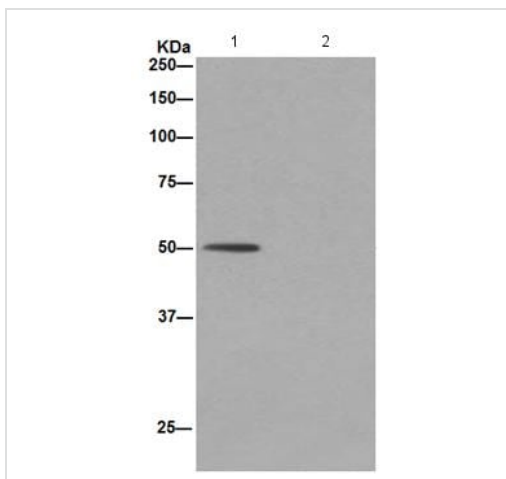
Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% tritonX-100 permeabilized C6 cells labeling Septin 8 with ab191404 at 1/200 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor®488) secondary antibody ([ab150077](#)) at 1/200 dilution. Nuclear counter stain DAPI (blue).

The two negative controls used anti-Septin 8 primary antibody at 1/200 dilution followed by Goat anti-mouse IgG (Alexa Fluor®594) secondary antibody at 1/400 dilution.



Flow Cytometry (Intracellular) - Anti-Septin 8 antibody [EPR16099] (ab191404)

Intracellular flow cytometric analysis of 2% paraformaldehyde-fixed K562 cells labeling Septin 8 with ab191404 at 1/150 dilution (pink), compared to a Rabbit monoclonal IgG isotype control (green). Goat anti-rabbit IgG (FITC) was used as secondary antibody at 1/150 dilution.



Immunoprecipitation - Anti-Septin 8 antibody [EPR16099] (ab191404)

Western blot analysis of Septin 8 in K562 cell lysate immunoprecipitated using ab191404 at 1/50 dilution (Lane 1). Lane 2: PBS instead of K562 lysates.

Secondary antibody: Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500 dilution.

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

Anti-Septin 8 antibody [EPR16099] (ab191404)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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