abcam

ab198504

Anti-SNX4 antibody [EPR16954] - C-terminal

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR16954
Purification technique	Affinity purification Protein A
Concentration	0.618 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IP

Tested

Species	Rat
Dilution info	1/40
Notes	-

Species	Human

Dilution info	1/40
Notes	-

Expected

Species	Mouse
Dilution info	Use at an assay dependent concentration.
Notes	-

WB

Tested

Species	Mouse
Dilution info	1/1000
Notes	-

Species	Rat
Dilution info	1/1000
Notes	-

Species	Human
Dilution info	1/1000
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/60
Notes	-

Expected

Species	Rat, Mouse
Dilution info	Use at an assay dependent concentration.

Notes	-

Target data

See full target information SNX4

Function	Involved in the regulation of endocytosis and in several stages of intracellular trafficking (PubMed:12668730, PubMed:17994011, PubMed:32513819, PubMed:33468622). Plays a role in recycling endocytosed transferrin receptor and prevent its degradation (PubMed:17994011). Involved in autophagosome assembly by regulating trafficking and recycling of phospholipid scramblase ATG9A (PubMed:32513819, PubMed:33468622).

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
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 batch production

For more information, read more on recombinant antibodies.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

We do not recommend this combination. It is not covered by our product promise.

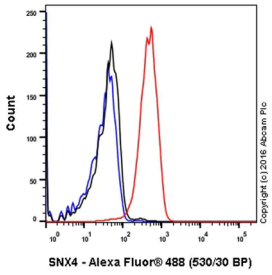
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

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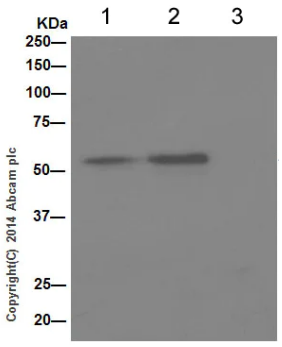
6 product images



Flow Cytometry (Intracellular) - Anti-SNX4 antibody [EPR16954] - C-terminal (ab198504)

SNX4 Flow Cytometry (Intracellular) staining using rabbit Anti-SNX4 antibody

Intracellular Flow Cytometry analysis of HeLa cells labelling SNX4 (red) with purified ab198504 at dilution of 1/60. The secondary antibody used was Alexa Fluorr® 488 goat-anti-rabbit IgG (1/2000). Cells were fixed with 4% paraformaldehyde and permeabilized with 90% methanol. Isotype control antibody was Rabbit monoclonal IgG (black). The blue line shows cells without incubation with primary antibody and secondary antibody.



Immunoprecipitation - Anti-SNX4 antibody [EPR16954] - C-terminal (ab198504)

Western blot analysis of immunoprecipitation pellet from 1 mg 293 whole cell lysate immunoprecipitated using ab198504 at 1/40 dilution.
Lane 1 (Input): 293 whole cell lysate 10µg.

Lane 2 (+) : 293 whole cell lysate using ab198504 at 1/1000 dilution.

Lane 3 (-) : 293 whole cell lysate using Rabbit monoclonal IgG (ab172730) instead of ab198504.

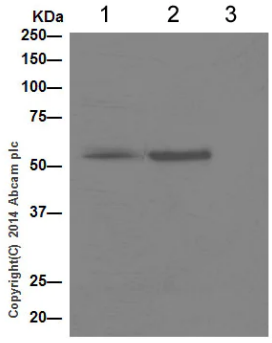
Secondary: Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500 dilution.

All lanes:
Immunoprecipitation - Anti-SNX4 antibody [EPR16954] - C-terminal (ab198504)

Developed using the ECL technique.

Predicted band size: 52 kDa

Exposure time: 2min



Immunoprecipitation - Anti-SNX4 antibody [EPR16954] - C-terminal (ab198504)

Western blot analysis of immunoprecipitation pellet from 1 mg PC12 whole cell lysate immunoprecipitated using ab198504 at 1/40 dilution.
Lane 1 (Input): PC12 whole cell lysate 10µg.

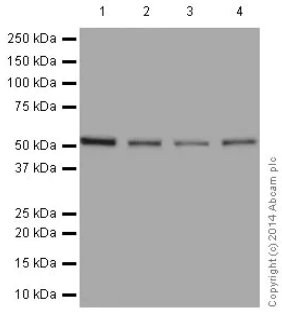
Lane 2 (+) : PC12 whole cell lysate using ab198504 at 1/1000 dilution.

Lane 3 (-) : PC12 whole cell lysate using Rabbit monoclonal IgG (ab172730) instead of ab198504.

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

All lanes:
Immunoprecipitation - Anti-SNX4 antibody [EPR16954] - C-terminal (ab198504)

Predicted band size: 52 kDa



Western blot - Anti-SNX4 antibody [EPR16954] - C-terminal (ab198504)

SNX4 Western blot staining using rabbit Anti-SNX4 antibody

Blocking/Dilution buffer: 5% NFDM/TBST.
All lanes:
Western blot - Anti-SNX4 antibody [EPR16954] - C-terminal (ab198504) at 1/5000 dilution

Lane 1:
293 cell lysate at 20 µg

Lane 2:
A431 cell lysate at 20 µg

Lane 3:
Jurkat cell lysate at 20 µg

Lane 4:
HeLa cell lysate at 20 µg

Secondary

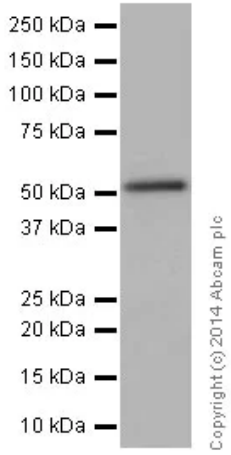
All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 52 kDa

Observed band size: 52 kDa

Exposure time: 30s



Western blot - Anti-SNX4 antibody [EPR16954] - C-terminal (ab198504)

SNX4 Western blot staining of Mouse brain lysate using rabbit Anti-SNX4 antibody

Blocking/Dilution buffer: 5% NFDM/TBST.
All lanes:
Western blot - Anti-SNX4 antibody [EPR16954] - C-terminal (ab198504) at 1/10000 dilution

All lanes:
Mouse brain lysate at 10 µg

Secondary

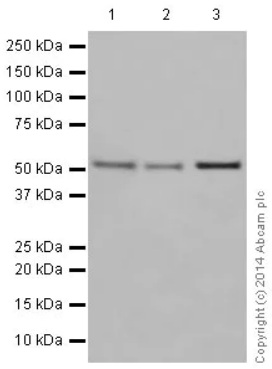
All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 52 kDa

Observed band size: 52 kDa

Exposure time: 1min



Western blot - Anti-SNX4 antibody [EPR16954] - C-terminal (ab198504)

Blocking/Dilution buffer: 5% NFDM/TBST.
All lanes:
Western blot - Anti-SNX4 antibody [EPR16954] - C-terminal (ab198504) at 1/1000 dilution

Lane 1:
C6 whole cell lysate at 10 µg

Lane 2:
RAW 264.7 whole cell lysate at 10 µg

Lane 3:

PC12 whole cell lysate at 10 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 52 kDa

Observed band size: 52 kDa

Exposure time: 15s

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.