

Product datasheet

Anti-SNAP25 antibody [EPR3275] ab109105

Recombinant **RabMAb**

★★★★★ 1 Abreviews 6 References 3 Images

Overview

Product name	Anti-SNAP25 antibody [EPR3275]
Description	Rabbit monoclonal [EPR3275] to SNAP25
Host species	Rabbit
Tested applications	Suitable for: WB, IP, Flow Cyt, ICC/IF Unsuitable for: IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human SNAP25. The exact sequence is proprietary. (Peptide available as ab183131)
Positive control	WB: Human fetal brain tissue lysate and SH SY5Y, and Neuro 2a cell lysates. ICC/IF: SH SY5Y cells. Flow Cyt: SH-SY5Y cells.

General notes

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

This product is a [recombinant rabbit monoclonal antibody](#).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR3275
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab109105** 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. Predicted molecular weight: 23 kDa.
IP		1/10 - 1/100.
Flow Cyt		1/200.
ICC/IF		1/100 - 1/250.

Application notes Is unsuitable for IHC-P.

Target

Function t-SNARE involved in the molecular regulation of neurotransmitter release. May play an important role in the synaptic function of specific neuronal systems. Associates with proteins involved in vesicle docking and membrane fusion. Regulates plasma membrane recycling through its interaction with CENPF.

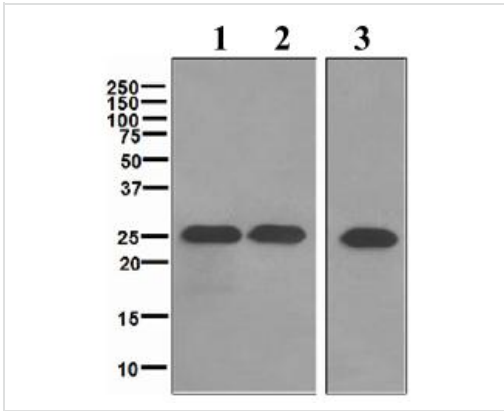
Tissue specificity Neurons of the neocortex, hippocampus, piriform cortex, anterior thalamic nuclei, pontine nuclei, and granule cells of the cerebellum.

Sequence similarities Belongs to the SNAP-25 family.
Contains 2 t-SNARE coiled-coil homology domains.

Post-translational modifications Palmitoylated. Cys-85 appears to be the main site, and palmitoylation is required for membrane association.

Cellular localization Cytoplasm > perinuclear region. Cell membrane. Cell junction > synapse > synaptosome.
Membrane association requires palmitoylation. Expressed throughout cytoplasm, concentrating at the perinuclear region.

Images



Western blot - Anti-SNAP25 antibody [EPR3275] (ab109105)

All lanes : Anti-SNAP25 antibody [EPR3275] (ab109105) at 1/1000 dilution

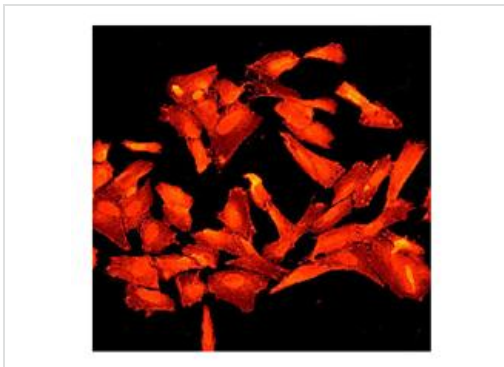
Lane 1 : Human fetal brain lysate

Lane 2 : SH SY5Y lysate

Lane 3 : Neuro 2a lysate

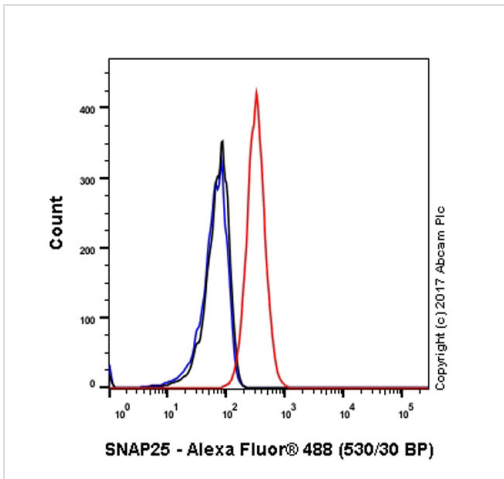
Lysates/proteins at 10 µg per lane.

Predicted band size: 23 kDa



Immunocytochemistry/ Immunofluorescence - Anti-SNAP25 antibody [EPR3275] (ab109105)

Immunofluorescent staining of SNAP25 in SH SY5Y cells using ab109105 at 1/100.



Flow Cytometry - Anti-SNAP25 antibody [EPR3275] (ab109105)

Flow cytometry analysis of SH-SY5Y (human neuroblastoma) cells labeling SNAP25 (red) with ab109105 at a 1/200 dilution. Cells were fixed with 4% paraformaldehyde and permeabilized with 90% methanol. A goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) was used as the secondary antibody at a 1/2000 dilution. Black - Rabbit monoclonal IgG (ab172730). Blue (unlabeled control) - Cells without incubation with the primary and secondary antibodies.

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