


Anti-SNAP25 antibody ab228880

8 Images

Overview

Product name	Anti-SNAP25 antibody
Description	Rabbit polyclonal to SNAP25
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, IHC-Fr, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human Predicted to work with: Chicken, Cow, Xenopus laevis, Chimpanzee, Rhesus monkey 
Immunogen	Recombinant fragment within Human SNAP25 (internal sequence). The exact sequence is proprietary. Database link: P60880
Positive control	WB: Rat brain lysate; Mouse brain lysate; HeLa whole cell lysate. IHC-P: Mouse fore brain tissue; Rat hind brain tissue; SW480 xenograft tissue. IHC-Fr: E13.5 rat brain tissue. ICC/IF: DIV9 rat E18 primary cortical neurons.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</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	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

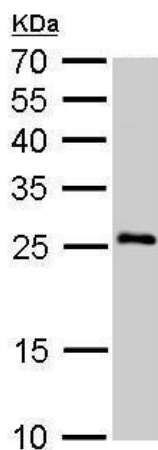
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab228880 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 23 kDa.
IHC-P		1/100 - 1/1000.
IHC-Fr		1/100 - 1/1000.
ICC/IF		1/100 - 1/1000.

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 (ab228880)

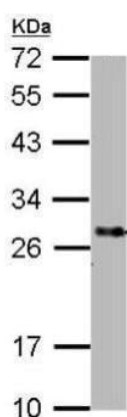
Anti-SNAP25 antibody (ab228880) at 1/1000 dilution + Rat brain lysate at 50 µg

Secondary

HRP-conjugated anti-rabbit IgG

Predicted band size: 23 kDa

12% SDS-PAGE gel.



Western blot - Anti-SNAP25 antibody (ab228880)

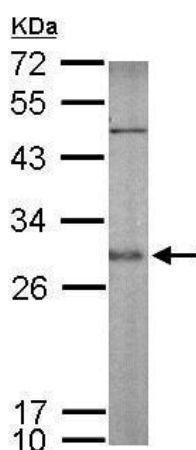
Anti-SNAP25 antibody (ab228880) at 1/1000 dilution + HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate at 30 µg

Secondary

HRP-conjugated anti-rabbit IgG

Predicted band size: 23 kDa

12% SDS-PAGE gel.



Western blot - Anti-SNAP25 antibody (ab228880)

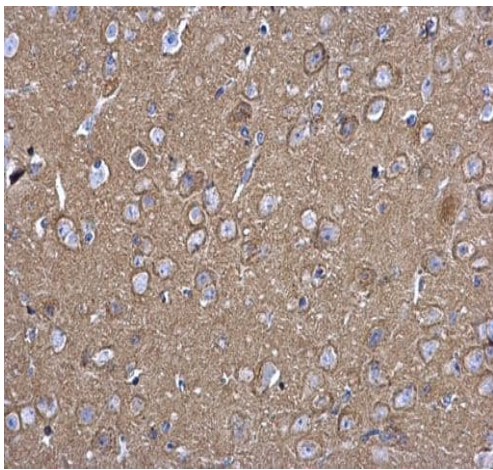
Anti-SNAP25 antibody (ab228880) at 1/1000 dilution + Mouse brain lysate at 50 µg

Secondary

HRP-conjugated anti-rabbit IgG

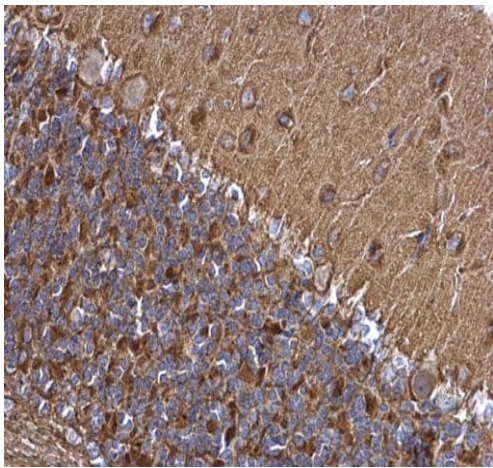
Predicted band size: 23 kDa

12% SDS-PAGE gel.



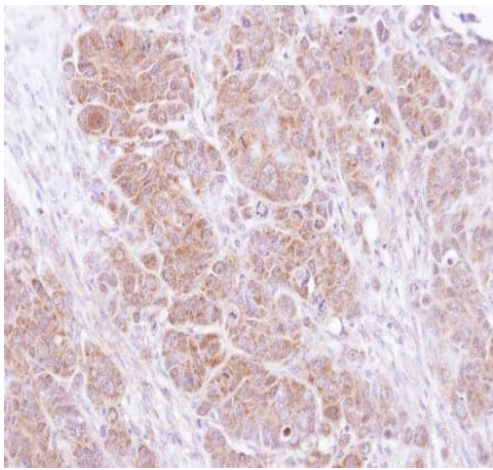
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SNAP25 antibody (ab228880)

Paraffin-embedded mouse fore brain tissue stained for SNAP25 using ab228880 at 1/500 dilution in immunohistochemical analysis.



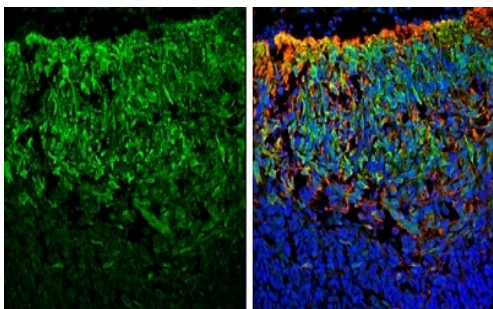
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SNAP25 antibody (ab228880)

Paraffin-embedded rat hind brain tissue stained for SNAP25 using ab228880 at 1/500 dilution in immunohistochemical analysis.



Paraffin-embedded SW480 (human) xenograft tissue stained for SNAP25 using ab228880 at 1/100 dilution in immunohistochemical analysis.

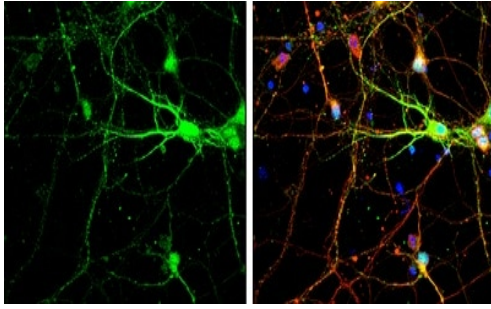
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SNAP25 antibody (ab228880)



Frozen sectioned E13.5 rat brain tissue stained for SNAP25 using ab228880 at 1/250 dilution in immunohistochemical analysis (green).

The nuclear counterstain is DAPI (blue). Beta Tubulin 3, a mature neuron marker, is detected with a beta Tubulin 3 antibody at 1/500 dilution (red).

Immunohistochemistry (Frozen sections) - Anti-SNAP25 antibody (ab228880)



Immunocytochemistry/ Immunofluorescence - Anti-SNAP25 antibody (ab228880)

4% paraformaldehyde-fixed DIV9 rat E18 primary cortical neurons cells stained for SNAP25 (green) using ab228880 at 1/500 dilution in ICC/IF.

Nuclear counterstain: DAPI (blue). Beta Tubulin 3, a mature neuron marker, is detected with a beta Tubulin 3 antibody at 1/500 dilution (red).

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

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