

Product datasheet

Anti-SNAP25 antibody ab5666

★★★★★ 4 Abreviews 46 References 4 Images

Overview

Product name	Anti-SNAP25 antibody
Description	Rabbit polyclonal to SNAP25
Host species	Rabbit
Tested applications	Suitable for: ICC, WB, Flow Cyt
Species reactivity	Reacts with: Mouse, Rat Predicted to work with: Human, Chimpanzee, Rhesus monkey, Goldfish 
Immunogen	Synthetic peptide corresponding to Mouse SNAP25 aa 195-206. Sequence: ANQRATKMLGSG (Peptide available as ab5843)  Run BLAST with  Run BLAST with

General notes

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.

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

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 or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium azide Constituents: 99% PBS, 0.1% BSA
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab5666 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
ICC		1/100.
WB	★★★★★ (4)	Use a concentration of 0.5 - 2 µg/ml. Detects a band of approximately 25 kDa.
Flow Cyt		Use 3-5µg for 10 ⁶ cells.

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.

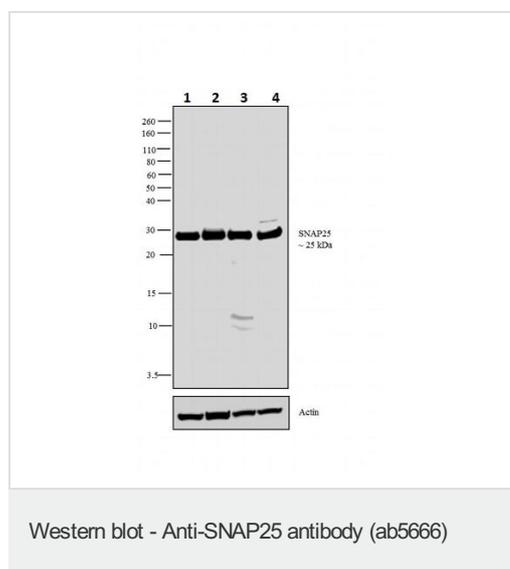
Post-translational modifications

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



All lanes : Anti-SNAP25 antibody (ab5666)

Lane 1 : Mouse cerebellum

Lane 2 : Mouse brain

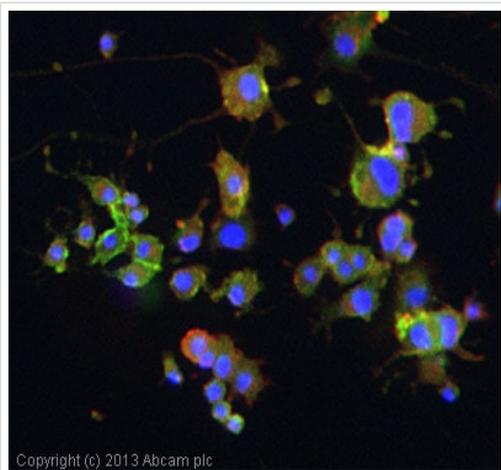
Lane 3 : Rat brain

Lane 4 : Membrane enriched extract

Lysates/proteins at 30 µg per lane.

Secondary

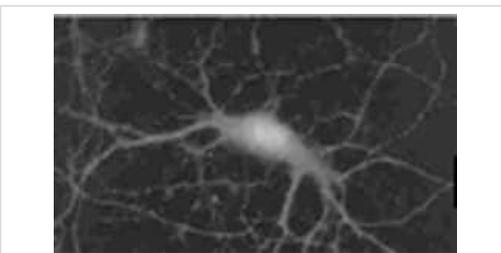
All lanes : Goat anti-Rabbit IgG (H+L) Secondary Antibody, HRP conjugate



Copyright (c) 2013 Abcam plc

Immunocytochemistry - Anti-SNAP25 antibody (ab5666)

ICC/IF image of ab5666 stained PC12 cells. The cells were 4% paraformaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab5666, 5µg/ml) overnight at +4°C. The secondary antibody (green) was ab96899, DyLight® 488 goat anti-rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



Immunocytochemistry - Anti-SNAP25 antibody (ab5666)

Immunolocalization of SNAP-25 in cultured rat hippocampal cells using ab5666.



Western blot - Anti-SNAP25 antibody (ab5666)
This image is courtesy of an anonymous Abreview

Anti-SNAP25 antibody (ab5666) at 1/10000 dilution + Whole tissue lysate prepared from mouse hippocampus.

Secondary

HRP conjugated goat anti-rabbit Ig. at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Observed band size: 25 kDa

Exposure time: 20 seconds

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors