

A0986

Leader in Biomolecular Solutions for Life Science



# SNAP25 Rabbit pAb

Catalog No.: A0986

4 Publications

## Basic Information

### Observed MW

25kDa

### Calculated MW

23kDa

### Category

Polyclonal Antibody

### Applications

WB,IHC-P,IF/ICC,ELISA

### Cross-Reactivity

Human,Mouse,Rat

## Background

Synaptic vesicle membrane docking and fusion is mediated by SNAREs (soluble N-ethylmaleimide-sensitive factor attachment protein receptors) located on the vesicle membrane (v-SNAREs) and the target membrane (t-SNAREs). The assembled v-SNARE/t-SNARE complex consists of a bundle of four helices, one of which is supplied by v-SNARE and the other three by t-SNARE. For t-SNAREs on the plasma membrane, the protein syntaxin supplies one helix and the protein encoded by this gene contributes the other two. Therefore, this gene product is a presynaptic plasma membrane protein involved in the regulation of neurotransmitter release. Two alternative transcript variants encoding different protein isoforms have been described for this gene.

## Recommended Dilutions

WB 1:500 - 1:1000

IHC-P 1:50 - 1:200

IF/ICC 1:50 - 1:200

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

6616

### Swiss Prot

P60880

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-206 of human SNAP25 (NP\_570824.1).

### Synonyms

SUP; RIC4; SEC9; SNAP; CMS18; RIC-4; SNAP-25; bA416N4.2; dJ1068F16.2; SNAP25

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

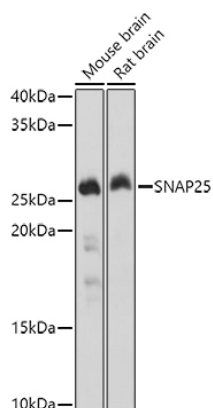
Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

## Contact

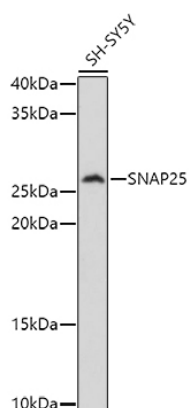


[www.abclonal.com](http://www.abclonal.com)

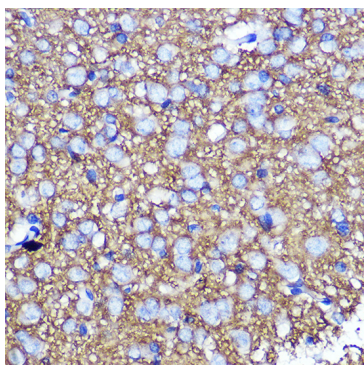
## Validation Data



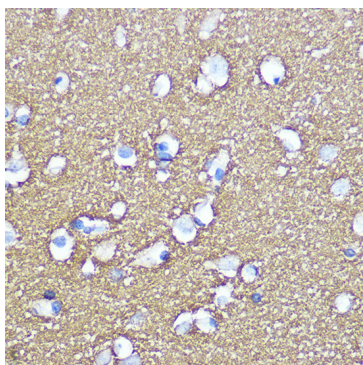
Western blot analysis of various lysates using SNAP25 Rabbit pAb (A0986) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 3s.



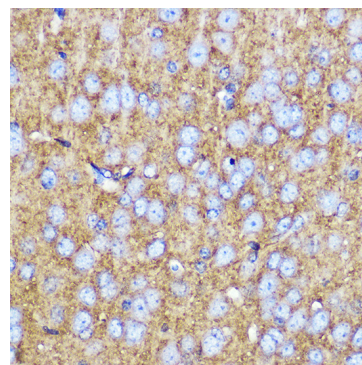
Western blot analysis of lysates from SH-SY5Y cells, using SNAP25 Rabbit pAb (A0986) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 3s.



Immunohistochemistry analysis of paraffin-embedded Rat brain using SNAP25 Rabbit pAb (A0986) at dilution of 1:100 (40x lens).  
Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



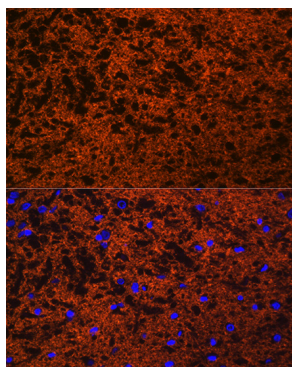
Immunohistochemistry analysis of paraffin-embedded Human brain using SNAP25 Rabbit pAb (A0986) at dilution of 1:100 (40x lens).  
Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



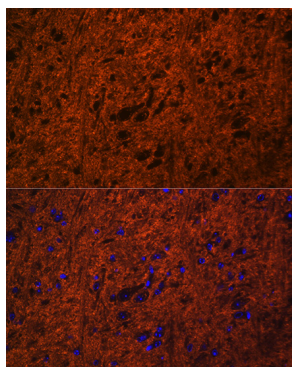
Immunohistochemistry analysis of paraffin-embedded Mouse brain using SNAP25 Rabbit pAb (A0986) at dilution of 1:100 (40x lens).  
Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.

## Validation Data

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Immunofluorescence analysis of paraffin-embedded rat brain using SNAP25 Rabbit pAb (A0986) at dilution of 1:100 (40x lens).  
Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of paraffin-embedded mouse brain using SNAP25 Rabbit pAb (A0986) at dilution of 1:100 (40x lens).  
Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.