

SNAP25 Rabbit pAb

Catalog No.: A0986 **4 Publications**

Basic Information

Catalog No.

A0986

Observed MW

25KDa

Calculated MW

23kDa

Category

Primary antibody

Applications

WB, IHC, IF

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

| | |
|------------|----------------|
| WB | 1:500 - 1:2000 |
| IHC | 1:50 - 1:200 |
| IF | 1:20 - 1:100 |

Contact

 | www.abclonal.com

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.

Immunogen Information

| | |
|----------------|-------------------|
| Gene ID | Swiss Prot |
| 6616 | P60880 |

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-206 of human SNAP25 (NP_003072.2).

Synonyms

SNAP25;CMS18;RIC-4;RIC4;SEC9;SNAP;SNAP-25;SUP;ba416N4.2;dj1068F16.2

Product Information

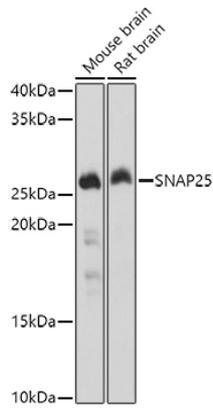
| | | |
|---------------|----------------|-----------------------|
| Source | Isotype | Purification |
| Rabbit | IgG | Affinity purification |

Storage

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

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using SNAP25 antibody (A0986) at 1:1000 dilution.

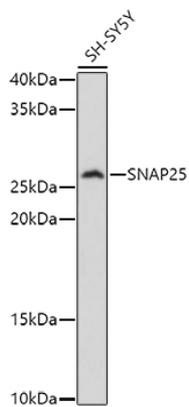
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 3s.



Western blot analysis of extracts of SH-SY5Y cells, using SNAP25 antibody (A0986) at 1:1000 dilution.

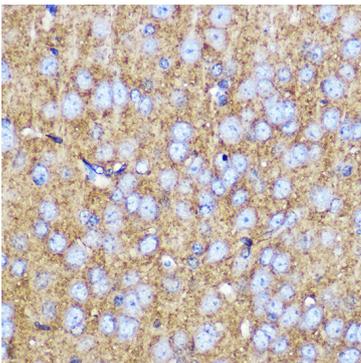
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

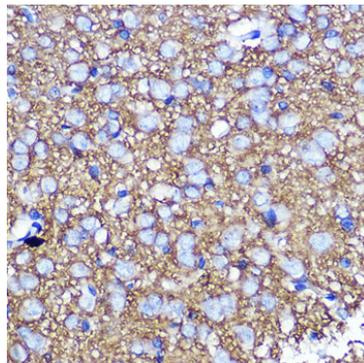
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

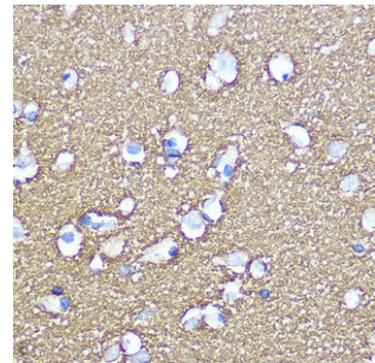
Exposure time: 3s.



Immunohistochemistry of paraffin-embedded mouse brain using SNAP25 Rabbit pAb (A0986) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

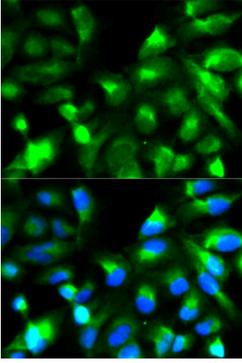


Immunohistochemistry of paraffin-embedded rat brain using SNAP25 Rabbit pAb (A0986) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded human brain using SNAP25 Rabbit pAb (A0986) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Validation Data



Immunofluorescence analysis of HeLa cells using SNAP25 antibody (A0986). Blue: DAPI for nuclear staining.