

## SNAP 25 Rabbit pAb

CatalogNo: YT4352

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 25kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:100-1:300

ELISA 1:20000

IF 1:50-200

### Storage

#### Storage\*

-15°C to -25°C/1 year (Do not lower than -25°C)

#### Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

#### Clonality

Polyclonal

### Immunogen Information

#### Immunogen

The antiserum was produced against synthesized peptide derived from human SNAP25. AA range: 151-200

#### Specificity

SNAP 25 Polyclonal Antibody detects endogenous levels of SNAP 25 protein.

### Target Information

**Gene name** SNAP-25

**Protein Name** Synaptosomal-associated protein 25

Organism	Gene ID	UniProt ID
Human	<a href="#">6616</a> ;	<a href="#">P60880</a> ;
Mouse	<a href="#">20614</a> ;	<a href="#">P60879</a> ;
Rat	<a href="#">25012</a> ;	<a href="#">P60881</a> ;

**Cellular Localization** Cytoplasm, perinuclear region . Cell membrane ; Lipid-anchor . Cell junction, synapse, synaptosome . Photoreceptor inner segment . Membrane association requires palmitoylation. Expressed throughout cytoplasm, concentrating at the perinuclear region. Colocalizes with KCNB1 at the cell membrane (By similarity). Colocalizes with PLCL1 at the cell membrane (By similarity). .

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

**Function** Alternative products:Isoforms differ by the usage of two alternative homologous exons (5a and 5b) which encode for positions 56 to 94 and differ only in 9 positions out of 39,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.,miscellaneous:When cloned and expressed in Eschericia coli, where protein palmitoylation does not occur, Cys-85, Cys-88, Cys-90 and Cys-92 in the protein sequence readily form an iron-sulfur cluster instead.,PTM:Palmitoylated. Cys-85 appears to be the main site, and palmitoylation is required for membrane association.,similarity:Belongs to the SNAP-25 family.,similarity:Contains 2 t-SNARE coiled-coil homology domains.,subcellular location:Membrane association requires palmitoylation. Expressed throughout cytoplasm, concentrating at the perinuclear region.,subunit:Part of the SNARE core complex containing SNAP25, VAMP2 and STX1A. This complex binds CPLX1. Interacts with CENPF, TRIM9, RIMS1, SNAP25BP, OTOF and HGS. Binds STXBP6. Found in a ternary complex with STX1A and VAMP8. Found in a complex containing SYT1, SV2B and syntaxin-1.,tissue specificity:Neurons of the neocortex, hippocampus, piriform cortex, anterior thalamic nuclei, pontine nuclei, and granule cells of the cerebellum.,

## Validation Data

## Contact information

Orders: order.cn@immunoway.com  
Support: support.cn@immunoway.com  
Telephone: 400-8787-807(China)  
Website: <http://www.immunoway.com.cn>  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:  
**SNAP 25 Rabbit pAb**

