

# SNAP25 Antibody (S187)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21014a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P60880</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB42955
<b>Calculated MW</b>	23315

## Additional Information

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<b>Gene ID</b>	6616
<b>Other Names</b>	Synaptosomal-associated protein 25, SNAP-25, Super protein, SUP, Synaptosomal-associated 25 kDa protein, SNAP25, SNAP
<b>Target/Specificity</b>	This SNAP25 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 179-213 amino acids from the region of human SNAP25.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	SNAP25 Antibody (S187) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	SNAP25
<b>Synonyms</b>	SNAP
<b>Function</b>	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. Modulates the gating characteristics of the delayed rectifier voltage-dependent potassium channel KCNB1 in pancreatic beta cells.

#### Cellular Location

Cytoplasm, perinuclear region {ECO:0000250|UniProtKB:P60879}. Cell membrane {ECO:0000250|UniProtKB:P60881}; Lipid-anchor {ECO:0000250|UniProtKB:P60879}. Synapse, synaptosome {ECO:0000250|UniProtKB:P60879}. Photoreceptor inner segment {ECO:0000250|UniProtKB:P60879}. Note=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). {ECO:0000250|UniProtKB:P60879, ECO:0000250|UniProtKB:P60881}

#### Tissue Location

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

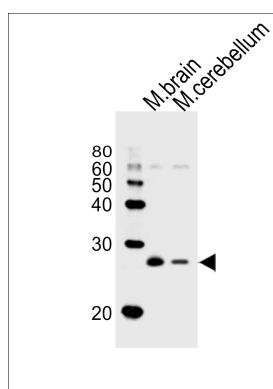
## Background

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.

## References

Bark I.C.,et al.Gene 139:291-292(1994).  
Zhao N.,et al.Gene 145:313-314(1994).  
Jagadish M.N.,et al.Biochem. J. 317:945-954(1996).  
Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).

## Images



Western blot analysis of lysates from mouse brain and mouse cerebellum tissue lysate (from left to right), using SNAP25 Antibody (S187)(Cat. #AP21014a). AP21014a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.