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SNAP25 Antibody (S187)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5468

Product Information

Application	WB
Primary Accession	P60880
Other Accession	P60881, P60879, P60878, Q17QQ3, Q5TZ66
Reactivity	Human, Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23315
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	6616
Antigen Region	179-213
Other Names	Synaptosomal-associated protein 25, SNAP-25, Super protein, SUP, Synaptosomal-associated 25 kDa protein, SNAP25, SNAP
Dilution	WB~~1:1000
Target/Specificity	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.
Format	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.
Storage	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.
Precautions	SNAP25 Antibody (S187) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SNAP25
Synonyms	SNAP

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. 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

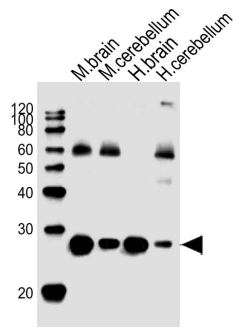
Background

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



All lanes : Anti-SNAP25 Antibody (S187) at 1:1000 dilution Lane 1: mouse brain lysates Lane 2: mouse cerebellum lysates Lane 3: human brain lysates Lane 4: human cerebellum lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 23 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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