

KD-Validated Anti-Synaptosome Associated Protein 25 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1757

Product Information

Application	WB
Primary Accession	P60880
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB2640
Calculated MW	23315
Gene Name	SNAP25
Aliases	SNAP25; Synaptosome Associated Protein 25; SNAP-25; DJ1068F16.2; BA416N4.2; RIC-4; RIC4; SEC9; SNAP; Resistance To Inhibitors Of Cholinesterase 4 Homolog; Synaptosomal-Associated Protein, 25kDa; Synaptosomal-Associated Protein 25; SUP; Synaptosomal-Associated 25 KDa Protein; Synaptosome Associated Protein 25kDa; Super Protein; CMS18
Immunogen	A synthesized peptide derived from human SNAP25

Additional Information

Gene ID	6616
Other Names	Synaptosomal-associated protein 25, SNAP-25, Super protein, SUP, Synaptosomal-associated 25 kDa protein, SNAP25, SNAP

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

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