

Rabbit Phospho-SNAP25 (T138) Polyclonal Antibody | anti-SNAP25 antibody

Phospho-SNAP25 (T138) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289167	Rabbit	Human (Predicted Reactivity: Zebrafish, Bovine, Chicken, Mouse, Rat)	ELISA, Dot Blot

PRODUCT SYNONYMS

Phospho-SNAP25 (T138); Polyclonal Antibody; Phospho-SNAP25 (T138) Antibody; Synaptosomal-associated protein 25; SNAP-25; Super protein; SUP; Synaptosomal-associated 25 kDa protein; SNAP25; SNAP; anti-SNAP25 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Zebrafish, Bovine, Chicken, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SNAP25 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding T138 of human SNAP25.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Sequence Length	206
Applicable Applications for anti-SNAP25 antibody	ELISA, DB (Dot Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
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}. Cell junction, 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.
Preparation and 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.

IMAGES



DB (Dot Blot)
Dot blot analysis of Phospho-SNAP25-pT138 Antibody Phospho-specific Pab on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed.
Antibody working concentrations are 0.6ug per ml.

ADDITIONAL INFORMATION

Related Product Information for anti-SNAP25 antibody	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.
Product Categories/Family for anti-SNAP25 antibody	Cancer; Metabolism; Neuroscience; Signal Transduction; Phospho Antibodies
References	Mohrmann, R., et al. Science 330(6003):502-505(2010) Tsai, Y.C., et al. Proc. Natl. Acad. Sci. U.S.A. 107(38):16554-16559(2010) Condliffe, S.B., et al. J. Biol. Chem. 285(32):24968-24976(2010) Weber, J.P., et al. EMBO J. 29(15):2477-2490(2010) Walter, A.M., et al. J. Cell Biol. 188(3):401-413(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	18765733
NCBI GeneID	6616
NCBI Accession #	NP_003072.2; NP_570824.1
NCBI GenBank Nucleotide #	NM_003081.3
UniProt Accession #	P60880; P13795; P36974; P70557; P70558; Q53EM2; Q5U0B5; Q8IXK3; Q96FM2; B2RAU4; D3DW16; D3DW17
Molecular Weight	23315
NCBI Official Full Name	synaptosomal-associated protein 25 isoform SNAP25A
NCBI Official Synonym Full Names	synaptosomal-associated protein, 25kDa
NCBI Official Symbol	SNAP25
NCBI Official Synonym Symbols	RIC4; SEC9; SNAP; CMS18; RIC-4; SNAP-25; bA416N4.2; dJ1068F16.2
NCBI Protein Information	synaptosomal-associated protein 25
UniProt Protein Name	Synaptosomal-associated protein 25
UniProt Gene Name	SNAP25
UniProt Synonym Gene Names	SNAP; SNAP-25; SUP
UniProt Entry Name	SNP25_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.