

SNAP 25 Polyclonal Antibody

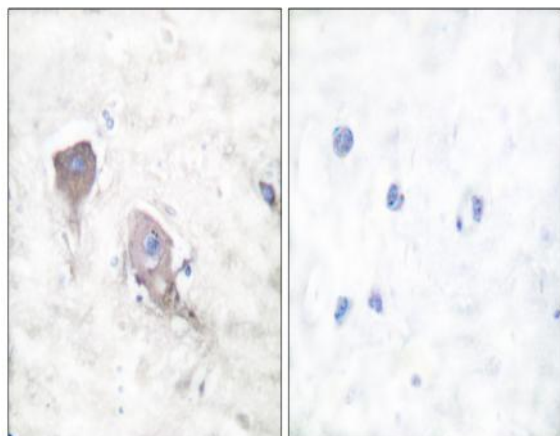
Catalog No :	YT4352
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	SNAP 25
Fields :	>>Synaptic vesicle cycle;>>Insulin secretion
Gene Name :	SNAP-25
Protein Name :	Synaptosomal-associated protein 25
Human Gene Id :	6616
Human Swiss Prot No :	P60880
Mouse Gene Id :	20614
Mouse Swiss Prot No :	P60879
Rat Gene Id :	25012
Rat Swiss Prot No :	P60881
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.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	25kD
Cell Pathway :	SNARE interactions in vesicular transport;
Background :	Synaptic vesicle membrane docking and fusion is mediated by SNAREs (soluble N-ethylmaleimide-sensitive factor attachment protein receptors) located on the vesicle membrane (v-SNAREs) and the target membrane (t-SNAREs). The assembled v-SNARE/t-SNARE complex consists of a bundle of four helices, one of which is supplied by v-SNARE and the other three by t-SNARE. For t-SNAREs on the plasma membrane, the protein syntaxin supplies one helix and the protein encoded by this gene contributes the other two. Therefore, this gene product is a presynaptic plasma membrane protein involved in the regulation of neurotransmitter release. Two alternative transcript variants encoding different protein isoforms have been described for this gene. [provided by RefSeq, Jul 2008],
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 d
Subcellular Location :	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). .
Expression :	Neurons of the neocortex, hippocampus, piriform cortex, anterior thalamic nuclei, pontine nuclei, and granule cells of the cerebellum.
Tag :	orthogonal

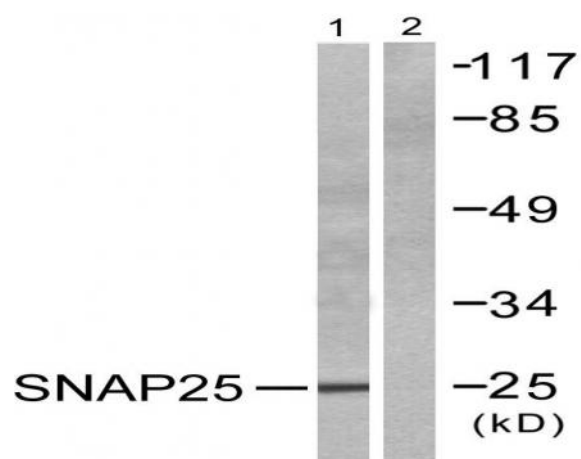
Sort : 16466

No4 : 1

Products Images



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using SNAP25 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Raw264.7 cells, treated with EGF 200ng/ml 30', using SNAP25 Antibody. The lane on the right is blocked with the synthesized peptide.