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Anti-SNAP25 Antibody

Catalog # AP51530

Product Information

Application	WB, IHC
Primary Accession	P60880
Reactivity	Human, Mouse, Rat, Zebrafish, Pig, Chicken, Bovine, Dog, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23315

Additional Information

Gene ID	6616
Other Names	SNAP; Synaptosomal-associated protein 25; SNAP-25; Super protein; SUP; Synaptosomal-associated 25 kDa protein
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human SNAP25. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

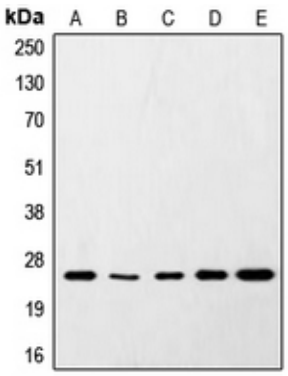
Name	SNAP25
Synonyms	SNAP
Function	t-SNARE involved in the molecular regulation of neurotransmitter release. May play an important role in the synaptic function of specific neuronal systems. Associates with proteins involved in vesicle docking and membrane fusion. Regulates plasma membrane recycling 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

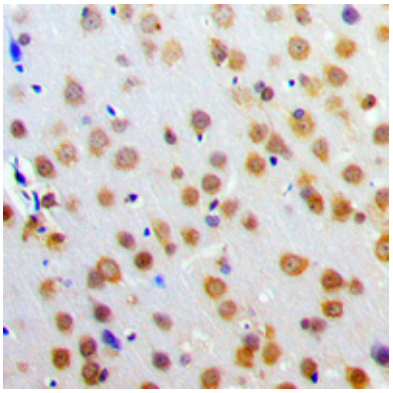
References

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 SNAP25 expression in HeLa (A), SKNSH (B), RAW264.7 (C), PC12 (D), rat brain (E) whole cell lysates. (Predicted band size: 23 kD; Observed band size: 25 kD)



Immunohistochemical analysis of SNAP25 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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