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Product datasheet for CF502967

SNAP25 Mouse Monoclonal Antibody [Clone ID: OTI1G2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1G2
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human SNAP25 (NP_003072) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	23.2 kDa
Gene Name:	synaptosome associated protein 25
Database Link:	NP_003072 Entrez Gene 20614 MouseEntrez Gene 25012 RatEntrez Gene 6616 Human P60880

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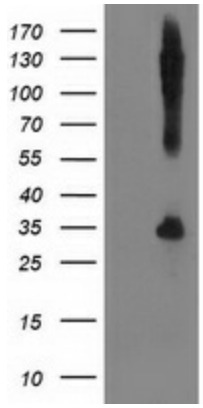
Background: Synaptic vesicle membrane docking and fusion is mediated by SNAREs (soluble N-ethylmaleimide-sensitive factor attachment protein receptors) located on the vesicle membrane (v-SNAREs) and the target membrane (t-SNAREs). The assembled v-SNARE/t-SNARE complex consists of a bundle of four helices, 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]

Synonyms: bA416N4.2; dJ1068F16.2; RIC-4; RIC4; SEC9; SNAP; SNAP-25

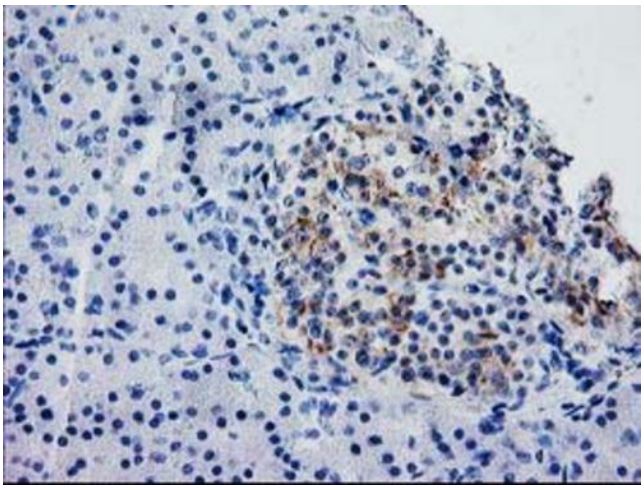
Protein Families: Druggable Genome

Protein Pathways: SNARE interactions in vesicular transport

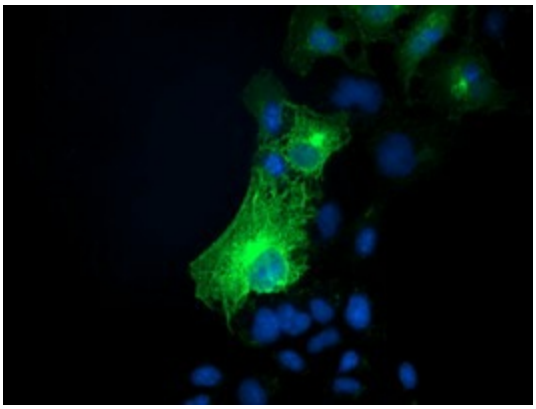
Product images:



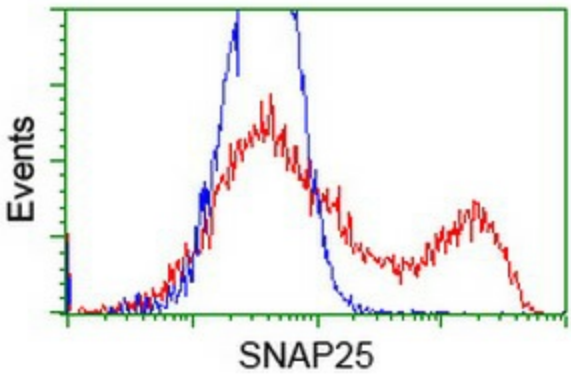
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SNAP25 ([RC202068], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SNAP25. Positive lysates [LY418912] (100ug) and [LC418912] (20ug) can be purchased separately from OriGene.



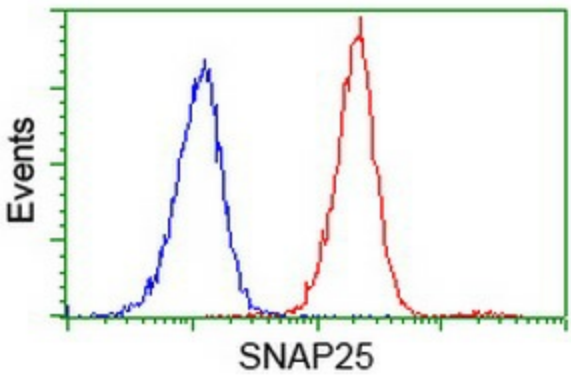
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-SNAP25 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502967])



Anti-SNAP25 mouse monoclonal antibody ([TA502967]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY SNAP25 ([RC202068]).



HEK293T cells transfected with either [RC202068] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-SNAP25 antibody ([TA502967]), and then analyzed by flow cytometry.



Flow cytometric Analysis of Jurkat cells, using anti-SNAP25 antibody ([TA502967]), (Red), compared to a nonspecific negative control antibody, (Blue).