

## Product datasheet for **TA502964S**

### SNAP25 Mouse Monoclonal Antibody [Clone ID: OTI4C6]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4C6
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:2000, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human SNAP25(NP_003072) produced in HEK293 cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.58 mg/ml
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:	<a href="#">NP_003072</a> <a href="#">Entrez Gene 20614 Mouse</a> <a href="#">Entrez Gene 25012 Rat</a> <a href="#">Entrez Gene 6616 Human</a> <a href="#">P60880</a>



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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]

**Synonyms:**

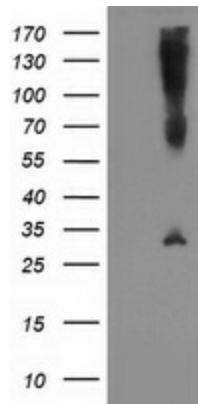
bA416N4.2; dj1068F16.2; RIC-4; RIC4; SEC9; SNAP; SNAP-25

**Protein Families:**

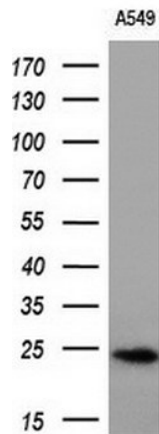
Druggable Genome

**Protein Pathways:**

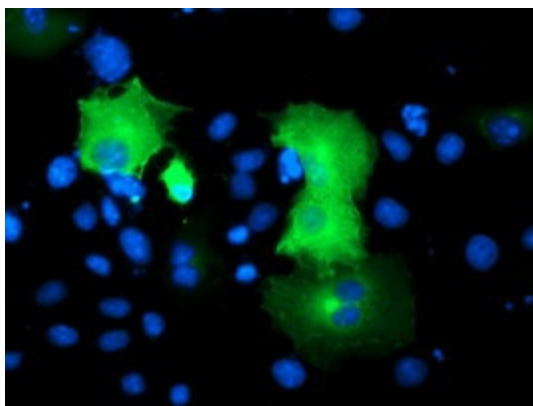
SNARE interactions in vesicular transport

**Product images:**


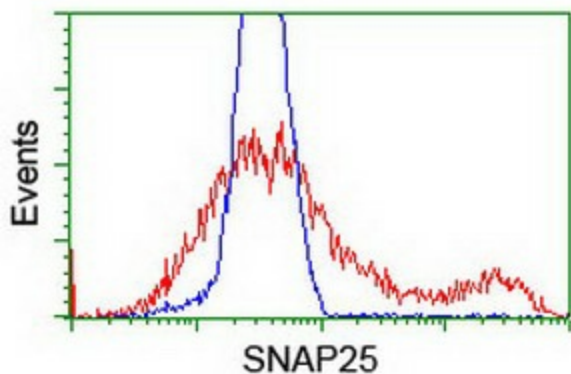
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SNAP25 ([RC202068], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SNAP25. Positive lysates [LY418912] (100ug) and [LC418912]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



Western blot analysis of extracts (10ug) from 1 cell line by using anti-SNAP25 monoclonal antibody (1:200).



Anti-SNAP25 mouse monoclonal antibody ([TA502964]) 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 ([TA502964]), and then analyzed by flow cytometry.