

## Product datasheet for **TA322908**

### SNAP25 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Hela cells IHC: 25-100 Positive control: Human liver cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Full length fusion protein
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	23 kDa
Gene Name:	synaptosome associated protein 25kDa
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.?

**Synonyms:**

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

**Protein Families:**

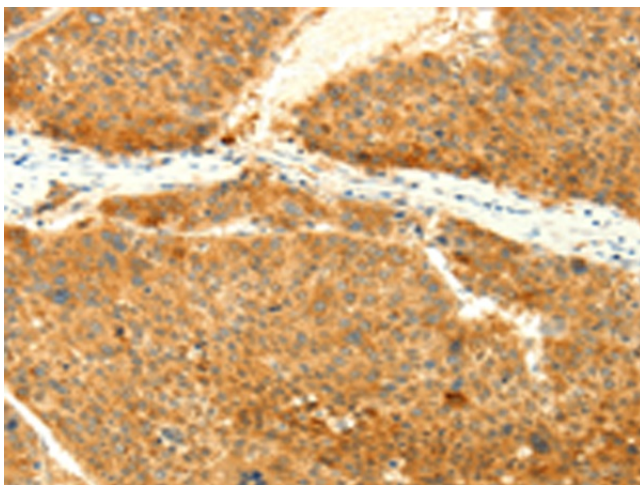
Druggable Genome

**Protein Pathways:**

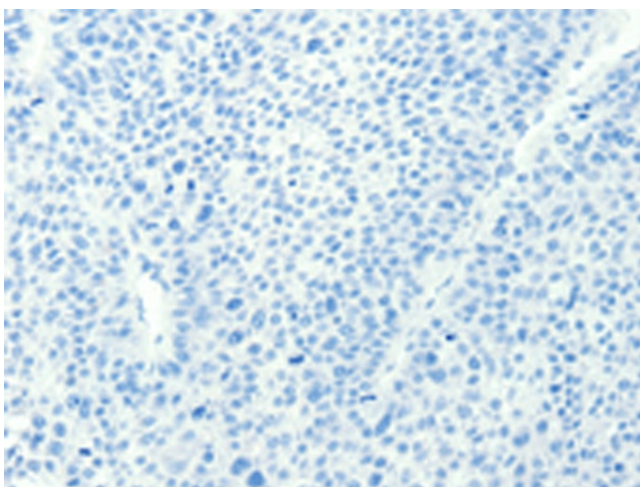
SNARE interactions in vesicular transport

**Product images:**

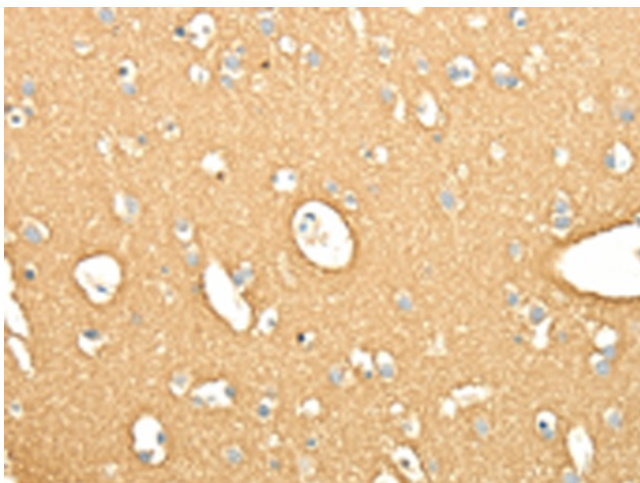
Gel: 12%SDS-PAGE  
Lysate: 40 µg  
Lane: HeLa cells  
Primary antibody: TA322908 (SNAP25 Antibody)  
at dilution 1/400  
Secondary antibody: Goat anti rabbit IgG at  
1/8000 dilution  
Exposure time: 3 seconds



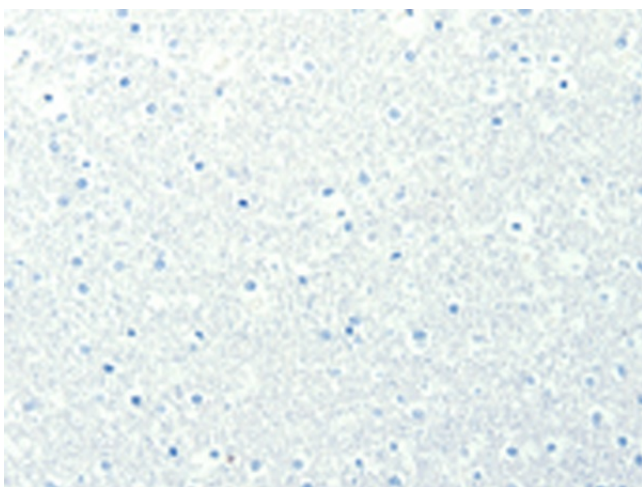
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA322908 (SNAP25 Antibody) at dilution 1/25 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA322908 (SNAP25 Antibody) at dilution 1/25, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human brain tissue using TA322908 (SNAP25 Antibody) at dilution 1/25 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human brain tissue using TA322908 (SNAP25 Antibody) at dilution 1/25, treated with fusion protein. (Original magnification:  $\times 200$ )