

## Datasheet for ABIN271818 **anti-SNAP25 antibody**

### 2 Images



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### Overview

Quantity:	0.1 mg
Target:	SNAP25
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SNAP25 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

### Product Details

Specificity:	This antibody detects endogenous levels of SNAP25 protein. (region surrounding Glu183)
Cross-Reactivity (Details):	Species reactivity (expected):Mouse and Rat. Species reactivity (tested):Human.
Purification:	Affinity Chromatography using epitope-specific immunogen

### Target Details

Target:	SNAP25
Alternative Name:	SNAP25 ( <a href="#">SNAP25 Products</a> )
Background:	Syntaxins, six of which have been identified, were originally thought to be docking proteins, but have more recently been categorized as anchoring proteins that anchor themselves to the cytoplasmic surfaces of cellular membranes. Syntaxins have been shown to bind to various

## Target Details

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proteins involved in exocytosis, including VAMPs (vesicle-associated membrane proteins), NSF(N-ethylmaleimide-sensitive factor), SNAP 25, SNAPs (soluble NSF attachment proteins) and synap-totagmin. VAMPs (also designated synaptobrevins), including VAMP-1 and VAMP-2, and Synaptotagmin, a protein that may function as an inhibitor of exocytosis, are vesicular proteins. SNAPs, including alpha- and gamma-SNAP, are cytoplasmic proteins that bind to a membrane receptor complex composed of VAMP, SNAP 25 and syntaxin. SNAPs mediate the membrane binding of NSF, which is essential for membrane fusion reactions. An additional protein designated synaptophysin may regulate exocytosis by competing with SNAP 25 and syntaxins for VAMP binding. Synonyms: RIC4, SNAP, SNAP-25, SUP, Super Protein, Synaptosomal-associated 25 kDa protein, Synaptosomal-associated protein 25, ric-4

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Molecular Weight: approx. 23 kDa

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Gene ID: 6616

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NCBI Accession: [NP\\_003072](#)

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UniProt: [P60880](#)

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Pathways: [Positive Regulation of Peptide Hormone Secretion](#), [Hormone Transport](#), [Synaptic Vesicle Exocytosis](#), [Dicarboxylic Acid Transport](#)

## Application Details

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Application Notes: ELISA: 1/20000-1/40000. Western Blot: 1/500-1/1000. Immunohistochemistry: 1/50-1/200.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

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Restrictions: For Research Use only

## Handling

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Concentration: 1.0 mg/mL

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Buffer: Phosphate buffered saline (PBS), pH ~7.2, 0.05 % Sodium Azide

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Preservative: Sodium azide

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Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Handling Advice: Avoid repeated freezing and thawing.

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Storage: 4 °C/-20 °C

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## Handling

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

## Images

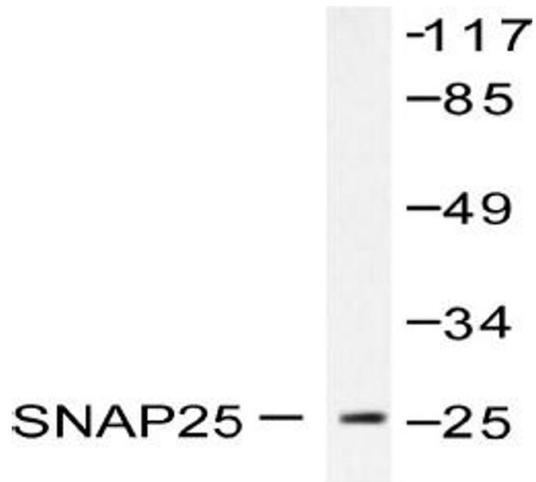


Image 1.

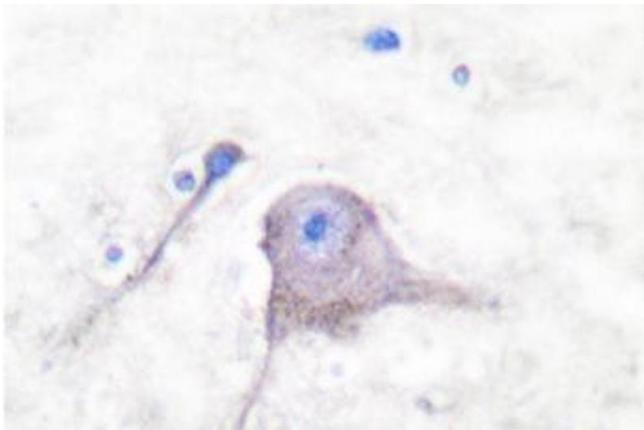


Image 2.