

## SNAP25 Rabbit mAb

Catalog No: #59465

Package Size: #59465-1 50ul #59465-2 100ul

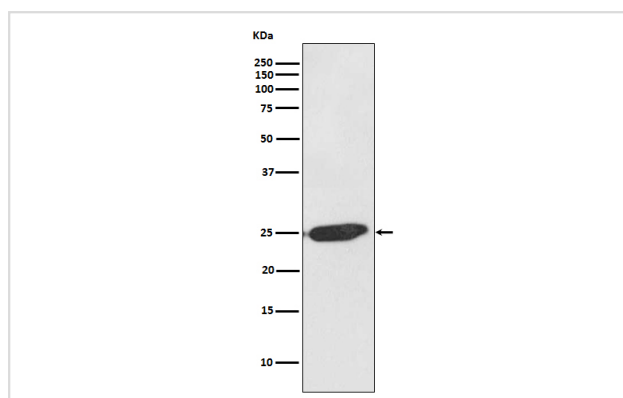
## Description

|                       |                                                                                                                        |
|-----------------------|------------------------------------------------------------------------------------------------------------------------|
| Product Name          | SNAP25 Rabbit mAb                                                                                                      |
| Host Species          | Rabbit                                                                                                                 |
| Clonality             | Monoclonal                                                                                                             |
| Isotype               | Rabbit IgG                                                                                                             |
| Purification          | Affinity-chromatography                                                                                                |
| Applications          | WB ICC/IF IP                                                                                                           |
| Species Reactivity    | Human Mouse Rat                                                                                                        |
| Specificity           | SNAP25 Antibody detects endogenous levels of total SNAP25                                                              |
| Immunogen Description | A synthesized peptide derived from human SNAP25                                                                        |
| Other Names           | Synaptosomal-associated protein 25; SNAP-25; Super protein; SUP; Synaptosomal-associated 25 kDa protein; SNAP25; SNAP; |
| Accession No.         | Uniprot:P60880                                                                                                         |
| Formulation           | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                     |
| Storage               | Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.                                         |

## Application Details

WB 1:500~1:2000 ICC/IF 1:50~1:200 IP 1:50

## Images



Western blot analysis of SNAP25 expression in SH-SY5Y cell lysate.

## Background

SNAP25 forms a core complex with the SNARE proteins syntaxin and synaptobrevin to mediate synaptic vesicle fusion with the plasma membrane during  $\text{Ca}^{2+}$ -dependent exocytosis. This complex is responsible for exocytosis of the neurotransmitter  $\gamma$ -aminobutyric acid (GABA). Neurotransmitter release is inhibited by proteolysis of SNAP25 by botulinum toxins A and E. SNAP25 plays a secondary role as a Q-SNARE involved in endosome fusion; the protein is associated with genetic susceptibility to attention-deficit hyperactivity disorder (ADHD).

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.