

SNAP25

Reactivity:Human Mouse Rat

Tested applications:WB IHC ICC IF IP

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200 ICC 1:20 - 1:100 IF 1:20 - 1:100
IP 1:20 - 1:100

Calculated MW:25kDa

Observed MW:Refer to Figures

Immunogen:

Recombinant protein of human SNAP25

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

SNAP25;FLJ23079;RIC-4;RIC4;SEC9;SNAP;SNAP-25;ba416N4.2;dJ1068F16.2

Catalog #:A0986

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:6616

Isotype:IgG

Swiss Prot:P60880

Purity:Affinity purification

For research use only.

Background:

The 25 kDa synaptosome-associated protein (SNAP25) is a target membrane soluble, N-ethylmaleimide-sensitive factor attachment protein receptor (t-SNARE) that is found on neuronal presynaptic membranes. SNAP25 forms a core complex with the SNARE proteins syntaxin and synaptobrevin to mediate synaptic vesicle fusion with the plasma membrane during Ca²⁺-dependent exocytosis (1). This complex is responsible for exocytosis of the neurotransmitter -aminobutyric acid (GABA). Neurotransmitter release is inhibited by proteolysis of SNAP25 by botulinum toxins A and E (2). 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) (3).

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