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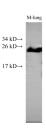
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SNAP25 Polyclonal Antibody

Catalog No.	E-AB-40191		**Reactivity**	M
Storage	Store at -20℃. Avoid freeze / thaw cycles.		**Host**	Rabbit
Applications	WB		**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Images

Western Blot analysis of Mouse lung tissue using SNAP25 Polyclonal Antibody at dilution of 1:500

Immunogen Information

Immunogen	Recombinant Mouse Synaptosomal-associated protein 25 protein
Swissprot	P60879
Synonyms	SUP, RIC4, SEC9, SNAP, CMS18, RIC-4, SNAP-25, bA416N4.2, dJ1068F16.2

Product Information

Calculated MW	23 kDa
Observed MW	23 kDa
Buffer	PBS with 0.05% Proclin300 and 50% glycerol, pH7.4.
Purify	Affinity purification
Dilution	WB 1:500-1:2000

Background

The synaptosomal associated protein of 25 kD (SNAP-25) was first identified as a major synaptic protein by Wilson and colleagues. The protein interacts with syntaxin and synaptobrevin through its N-terminal and C-terminal -helical domains. Its palmitoylation domain is located in the middle of the molecule that contains four cysteine residues. Mutation of the cysteines abolishes palmitoylation and membrane binding. Several elegant studies using synaptosome preparations and permeabilized PC12 cells have suggested that SNAP-25 may act in the late post-docking steps of exocytosis. By limited proteolysis and in vitro binding assay,it is proposed that the two helix domains act independently and contribute equally to form the SNARE complex with syntaxin and synaptobrevin. It seems that a major regulatory element is located in the C-terminus of SNAP-25. Removing a 9 amino acid sequence of SNAP-25 inhibited neurosecretion in chromaffin cells. In addition,it has been shown that inhibition of neurosecretion by botulinum toxin E can be rescued by a SNAP-25 C-terminal peptide,probably by initiating the formation of a fusion competent SNARE complex.

Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.