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Datasheet for ABIN306712
anti-NAPA antibody

Overview

Quantity:	100 µg
Target:	NAPA
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NAPA antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Balb/C mice were immunized with recombinant human alpha -SNAP. The resultant hybridomas were selected for reactivity with the immunogen by ELISA and with the antigen by Western blot. Monoclonal antibody 15D4 obtained immunization of Balb/C mice with recombinant human alpha -SNAP
Clone:	15D4
Isotype:	IgG1
Specificity:	Human alpha -SNAP
Cross-Reactivity:	Cow, Human, Rat
Characteristics:	alpha/beta SNAP, mouse anti alpha soluble NSF attachment protein,SNAPA,SNAPs (soluble NSF attachment proteins), acting in concert with SNAREs (SNAP receptors) and the N-ethylmaleimide-sensitive fusion protein (NSF), are required for the fusion of transport vesicles to their target membranes in synaptic transmission, intra-Golgi transport, endosome-to-

Product Details

endosome fusion and transcytotic vesicles-to-plasma membrane transport. Vesicle-to-target membrane docking (initial contact) occurs when the vesicle SNARE binds to its cognate target membrane SNARE. Beta-SNAP (or SNAP in brain) then binds to this docking complex and mediates the binding of NSF and thus the formation of a 20 S fusion particle. It is thought that, once NSF is bound, ATP hydrolysis by NSF initiates the fusion process. Whereas alpha-SNAP is expressed in all mammalian tissues, beta-SNAP is expressed only in brain.

Purification: The antibody was purified to >95% homogeneity by standard chromatographic techniques

Target Details

Target: NAPA

Alternative Name: alpha SNAP ([NAPA Products](#))

Pathways: [Synaptic Vesicle Exocytosis, Asymmetric Protein Localization](#)

Application Details

Application Notes: Optimal concentration should be evaluated by serial dilutions. Clone 4E4 anti- α -SNAP specifically recognizes α -SNAP as a single band of ~36 kDa on western blot of rat kidney, rat brain and MDBK cells and does not recognize β -SNAP Application: A dilution of 0.5-5 μ g/mL is suggested for western blot and 2-10 μ g/mL for immunoprecipitation.

Restrictions: For Research Use only

Handling

Buffer: 0.02M sodium phosphate, pH 7.5, 0.15M sodium chloride, 50 % glycerol. No preservatives have been included in the antibody solution.,100 μ g monoclonal antibody in 0.02M sodium phosphate, pH 7.5, 0.15M sodium chloride, 50 % glycerol. No preservatives have been added.

Preservative: Without preservative

Storage: -20 °C

Storage Comment: Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles