Datasheet for ABIN2856408

anti-NAPA antibody (Center)

5 Images

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Overview

Quantity:	100 µL
Target:	NAPA
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NAPA antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunocytochemistry (ICC), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human alpha SNAP. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Rhesus Monkey, Chimpanzee
Cross-Reactivity (Details):	Rhesus Monkey (100 %), Chimpanzee (100 %)
Characteristics:	Rabbit Polyclonal antibody to alpha SNAP (N-ethylmaleimide-sensitive factor attachment protein, alpha) alpha SNAP antibody [N2C3]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	NAPA
Alternative Name:	alpha SNAP (NAPA Products)
Background:	The 'SNARE hypothesis' is a model explaining the process of docking and fusion of vesicles to their target membranes. According to this model, membrane proteins from the vesicle (v-SNAREs) and proteins from the target membrane (t-SNAREs) govern the specificity of vesicle targeting and docking through mutual recognition. Once the 2 classes of SNAREs bind to each other, they form a complex that recruits the general elements of the fusion apparatus, namely NSF (N-ethylmaleimide-sensitive factor) and SNAPs (soluble NSF-attachment proteins), to the site of membrane fusion, thereby forming the 20S fusion complex. Alpha- and gamma-SNAP are found in a wide range of tissues and act synergistically in intra-Golgi transport. The sequence of the predicted 295-amino acid human protein encoded by NAPA shares 37 % , 60 %, and 67 % identity with the sequences of yeast, Drosophila, and squid alpha-SNAP, respectively. Platelets contain some of the same proteins, including NSF, p115/TAP, alpha-SNAP, gamma-SNAP, and the t-SNAREs syntaxin-2 and syntaxin-4, that are used in many vesicular transport processes in other cell types. Platelet exocytosis uses a molecular mechanism similar to that used by other secretory cells, such as neurons, although the proteins used by the platelet and their modes of regulation may be quite different. Cellular Localization: Membrane, Peripheral membrane protein
Molecular Weight:	33 kDa
Gene ID:	8775
Pathways:	Synaptic Vesicle Exocytosis, Asymmetric Protein Localization

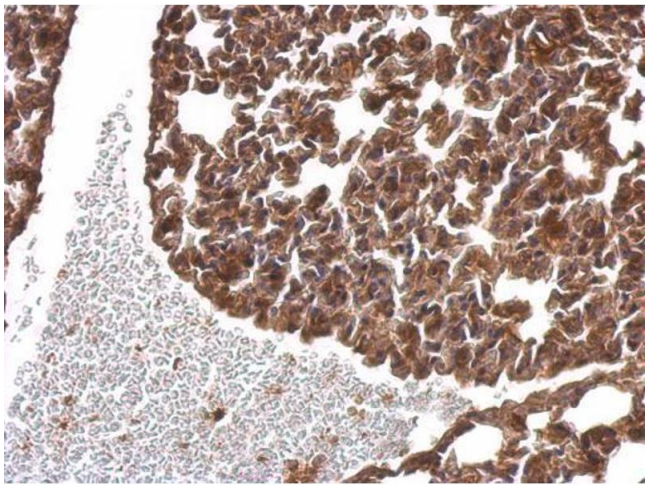
Application Details

Application Notes:	Suggested dilution Reference ICC/IF 1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Immunoprecipitation Assay-dependent dilution Western blot 1:1000-1:10000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceICC/IF1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000* ImmunoprecipitationAssay-dependent dilution Western blot1:1000-1:10000*
Comment:	Positive Control: 293T , A431 , H1299 , HeLaS3 , HepG2 , Molt-4 , Raji , mouse brain
Restrictions:	For Research Use only

Handling

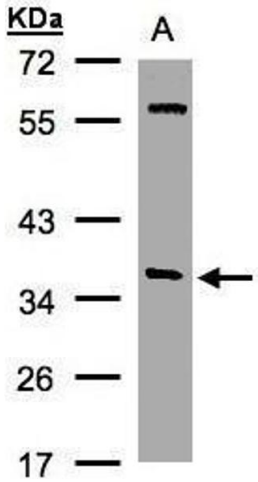
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



Immunohistochemistry

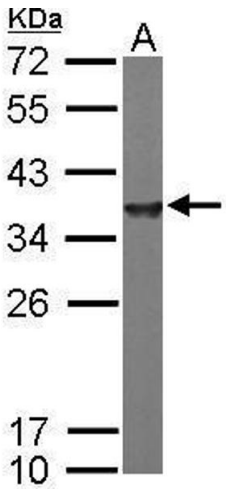
Image 1. IHC-P Image alpha SNAP antibody [N2C3] detects alpha SNAP protein at cytosol on mouse lung by immunohistochemical analysis. Sample: Paraffin-embedded mouse lung. alpha SNAP antibody [N2C3] , dilution: 1:500.



Western Blotting

Image 2. WB Image Sample(30 ug whole cell lysate) A:Hep G2 , 10% SDS PAGE antibody diluted at 1:1000

Images



Western Blotting

Image 3. WB Image Sample (50 ug of whole cell lysate) A: mouse brain 12% SDS PAGE antibody diluted at 1:10000

Please check the product details page for more images. Overall 5 images are available for ABIN2856408.