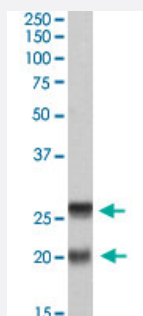


SNAP23 polyclonal antibody

Catalog # PAB18976 Size 100 ug

Applications



Western Blot (Cell lysate)

SNAP23 polyclonal antibody (Cat # PAB18976, 0.2 ug/mL) staining of PBMCs lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of SNAP23.
Immunogen	A synthetic peptide corresponding to amino acids at C-terminus of human SNAP23.
Sequence	C-TDKADTNRDR
Host	Goat
Theoretical MW (kDa)	20-26
Reactivity	Human
Specificity	This antibody is expected to recognize both isoforms (NP_003816.2; NP_570710.1). Amino acid numbering in name refers to NP_003816.2 sequence.
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL

Recommend Usage	ELISA (1:2000) Western Blot (0.2-0.6 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 0.5 mg/mL in Tris saline, pH7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — SNAP23

Entrez GeneID	8773
Protein Accession#	NP_003816.2;NP_570710.1
Gene Name	SNAP23
Gene Alias	HsT17016, SNAP23A, SNAP23B
Gene Description	synaptosomal-associated protein, 23kDa
Omim ID	602534
Gene Ontology	Hyperlink

Gene Summary

Specificity of vesicular transport is regulated, in part, by the interaction of a vesicle-associated membrane protein termed synaptobrevin/VAMP with a target compartment membrane protein termed syntaxin. These proteins, together with SNAP25 (synaptosome-associated protein of 25 kDa), form a complex which serves as a binding site for the general membrane fusion machinery. Synaptobrevin/VAMP and syntaxin are believed to be involved in vesicular transport in most, if not all cells, while SNAP25 is present almost exclusively in the brain, suggesting that a ubiquitously expressed homolog of SNAP25 exists to facilitate transport vesicle/target membrane fusion in other tissues. The protein encoded by this gene is structurally and functionally similar to SNAP25 and binds tightly to multiple syntaxins and synaptobrevins/VAMPs. It is an essential component of the high affinity receptor for the general membrane fusion machinery and is an important regulator of transport vesicle docking and fusion. Two alternative transcript variants encoding different protein isoforms have been described for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000161263|synaptosomal-associated protein 23

Pathway

- [SNARE interactions in vesicular transport](#)

Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)