

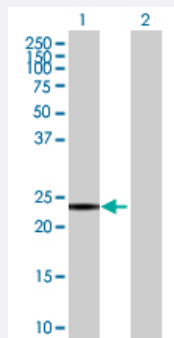
MaxPab®

# SNAP23 MaxPab mouse polyclonal antibody (B01)

Catalog # H00008773-B01

Size 50 uL

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of SNAP23 expression in transfected 293T cell line ([H00008773-T01](#)) by SNAP23 MaxPab polyclonal antibody.

Lane 1: SNAP23 transfected lysate(23.21 KDa).

Lane 2: Non-transfected lysate.

## Specification

Product Description	Mouse polyclonal antibody raised against a full-length human SNAP23 protein.
Immunogen	SNAP23 (NP_003816.2, 1 a.a. ~ 211 a.a) full-length human protein.
Sequence	MDNLSSEEIQQRAHQITDESLESTRILGLAIESQDAGIKTITMLDEQKEQLNRIEEGLDQINKDMRE TEKLTTELNKCCGLCVCPCNRTKNFESGKAYKTTWGDGGENSPCNVVSQKQPGPVTNGQLQQPT TGAASGGYKCRITNDAREDEMEENLTQVGSILGNLKDMLNIGNEIDAQNPQIKRITDKADTNRDRIDI ANARAKKLIDS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (82); Rat (87)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Note** For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

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[Protocol Download](#)

## Gene Info — SNAP23

**Entrez GeneID** [8773](#)

**GeneBank Accession#** [NM\\_003825.2](#)

**Protein Accession#** [NP\\_003816.2](#)

**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](#)