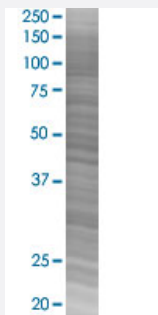


SNAP23 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00008773-T02

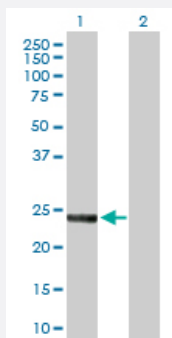
Size 100 uL

Applications



SDS-PAGE Gel

SNAP23 transfected lysate.



Western Blot

Lane 1: SNAP23 transfected lysate (23.40 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-SNAP23 full-length
Host	Human
Theoretical MW (kDa)	23.4
Interspecies Antigen Sequence	Mouse (82); Rat (87)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-SNAP23 antibody ([H00008773-D01P](#)) by Western Blots.
SDS-PAGE Gel
SNAP23 transfected lysate.
Western Blot
Lane 1: SNAP23 transfected lysate (23.40 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

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](#)