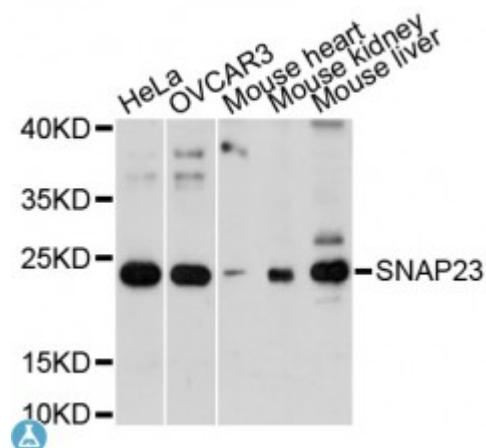


Anti-SNAP23 Antibody



Description

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.

Model	STJ116428
Host	Rabbit
Reactivity	Human, Mouse
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-211 of human SNAP23 (NP_003816.2).
Gene ID	8773
Gene Symbol	SNAP23

Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Ubiquitous, Highest levels where found in placenta
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Synaptosomal-associated protein 23 SNAP-23 Vesicle-membrane fusion protein SNAP-23
Molecular Weight	23.354 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:11131 OMIM:602534 Reactome:R-HSA-1236974
Alternative Names	Synaptosomal-associated protein 23 SNAP-23 Vesicle-membrane fusion protein SNAP-23
Function	Essential component of the high affinity receptor for the general membrane fusion machinery and an important regulator of transport vesicle docking and fusion
Cellular Localization	Cell membrane