ARG41354
anti-SNAP23 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SNAP23
Tested Reactivity	Hu, Rat
Predict Reactivity	Ms, Dog
Tested Application	FACS, ICC/IF, IHC-Fr, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SNAP23
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 192-211 of Human SNAP23. (DTNRDRIDIANARAKKLIDS)
Conjugation	Un-conjugated
Alternate Names	Vesicle-membrane fusion protein SNAP-23; SNAP23A; SNAP23B; HsT17016; Synaptosomal-associated protein 23; SNAP-23

Application Instructions

Application table

Application	Dilution
FACS	1:150 - 1:500
ICC/IF	1:200 - 1:1000
IHC-Fr	1:200 - 1:1000
IHC-P	1:200 - 1:1000
WB	1:500 - 1:2000

Application Note: IHC-P: Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: ~ 23 kDa

Properties

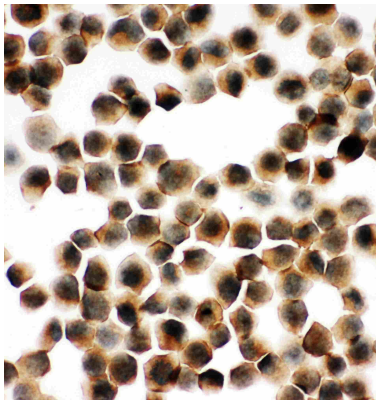
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na2HPO4, 0.9% NaCl, 0.05% Thimerosal, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Thimerosal and 0.05% Sodium azide

Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

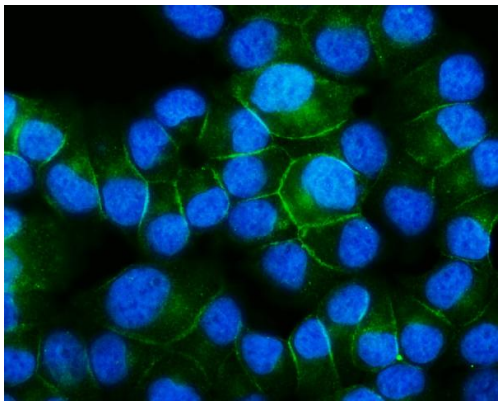
Gene Symbol	SNAP23
Gene Full Name	synaptosomal-associated protein, 23kDa
Background	Specificity of vesicular transport is regulated, in part, by the interaction of a vesicle-associated membrane protein termed synaptobrevin/VAMP with a target compartment membrane protein termed syntaxin. These proteins, 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, Jul 2008]
Function	Essential component of the high affinity receptor for the general membrane fusion machinery and an important regulator of transport vesicle docking and fusion. [UniProt]
Calculated Mw	23 kDa
Cellular Localization	Cell membrane; Peripheral membrane protein. Cell membrane; Lipid-anchor. Cell junction, synapse, synaptosome. Note=Mainly localized to the plasma membrane. [UniProt]

Images



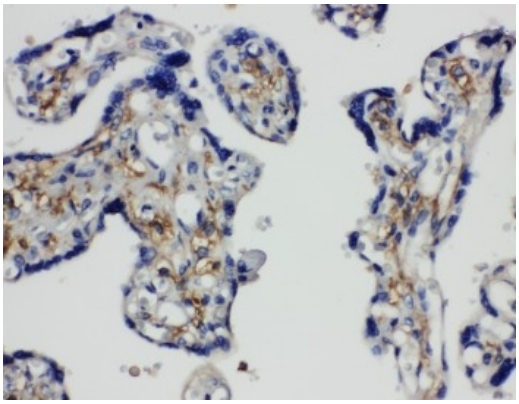
ARG41354 anti-SNAP23 antibody ICC image

Immunocytochemistry: K562 cells stained with ARG41354 anti-SNAP23 antibody.



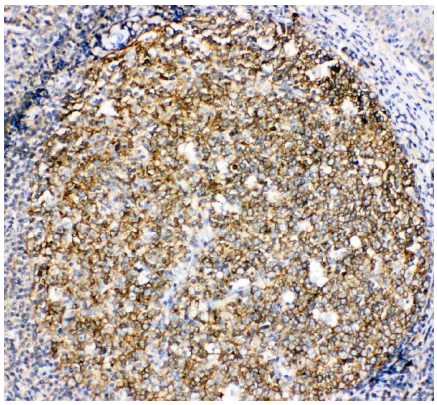
ARG41354 anti-SNAP23 antibody ICC/IF image

Immunofluorescence: T-47D cells were blocked with 10% goat serum and then stained with ARG41354 anti-SNAP23 antibody (green) at 5 µg/ml dilution, overnight at 4°C. DAPI (blue) for nuclear staining.



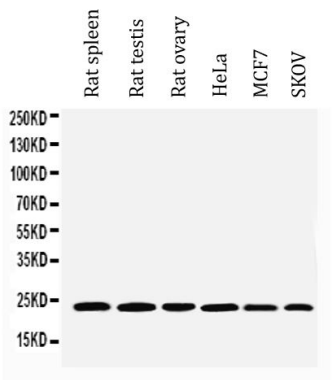
ARG41354 anti-SNAP23 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human placenta tissue stained with ARG41354 anti-SNAP23 antibody.



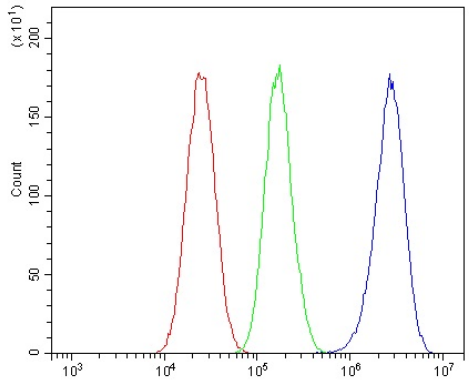
ARG41354 anti-SNAP23 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human tonsil tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG41354 anti-SNAP23 antibody at 1 µg/ml dilution, overnight at 4°C.



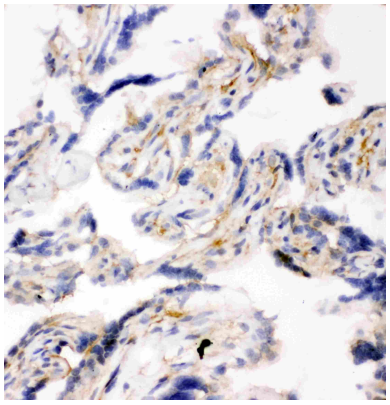
ARG41354 anti-SNAP23 antibody WB image

Western blot: Rat spleen, Rat testis, Rat ovary, HeLa, MCF7 and SKOV cell lysates stained with ARG41354 anti-SNAP23 antibody.



ARG41354 anti-SNAP23 antibody FACS image

Flow Cytometry: HepG2 cells were blocked with 10% normal goat serum and then stained with ARG41354 anti-SNAP23 antibody (blue) at 1 µg/10^6 cells for 30 min at 20°C, followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10^6 cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



ARG41354 anti-SNAP23 antibody IHC-Fr image

Immunohistochemistry: Frozen section of Human placenta tissue stained with ARG41354 anti-SNAP23 antibody.