

Anti-SNAP23 Rabbit Monoclonal Antibody

Catalog # ABO15191

Product Information

Application	WB
Primary Accession	O00161
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-SNAP23 Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	8773
Other Names	Synaptosomal-associated protein 23, SNAP-23, Vesicle-membrane fusion protein SNAP-23, SNAP23
Calculated MW	23354
Application Details	WB 1:500-1:2000
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 17S67
Immunogen	A synthesized peptide derived from human SNAP23
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	SNAP23 (HGNC:11131)
Function	SNAREs (soluble N-ethylmaleimide-sensitive factor-attachment protein receptors) are essential proteins for intracellular membrane fusion. SNAREs localized on opposing membranes assemble to form a trans-SNARE complex, an extended, parallel four-helix bundle whose assembly releases energy that drives membrane fusion. The core SNARE complex typically consists of four

alpha-helical domains, three from target membrane SNAREs (t-SNAREs) and one from a vesicle SNARE (v-SNARE) (PubMed:[10036234](#), PubMed:[11354632](#), PubMed:[8663154](#), PubMed:[9070898](#)). SNAP23 is a t-SNARE (target-SNARE) that resides on target membrane and functions in the fusion of transport vesicles with the plasma membrane in immune cells (PubMed:[30811271](#)). In macrophages, regulates the stimulus-dependent vesicular transport of TLR4 from recycling endosomes to the plasma membrane by cooperating with STX11 and thereby plays a critical role in the recognition of microbial components and the induction of innate and adaptive immunity (PubMed:[30811271](#)). In skeletal muscle satellite cells, SNAP23 cooperates with its cognate SNAREs VAMP4 and STX11 to facilitate CD36 vesicular transport from endosomes to the plasma membrane, an essential step in muscle regeneration (By similarity).

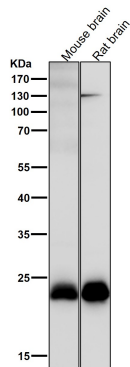
Cellular Location

Cell membrane; Lipid-anchor

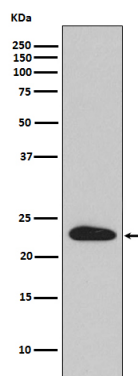
Tissue Location

Ubiquitous. Highest levels where found in placenta.

Images



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



Western blot analysis of SNAP23 expression in HeLa cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.