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SNAP23 Antibody

Rabbit mAb
Catalog # AP91437

Product Information

Application	WB
Primary Accession	O00161
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	HsT17016; LS-B8340; SNAP23A; SNAP23B; Synaptosomal associated protein 23; Vesicle membrane fusion protein SNAP23;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	23354

Additional Information

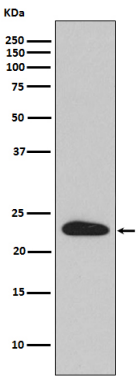
Dilution	WB 1:500~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human SNAP23
Description	Essential component of the high affinity receptor for the general membrane fusion machinery and an important regulator of transport vesicle docking and fusion.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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



Western blot analysis of SNAP23 expression in HeLa cell lysate.

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