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SNAP23 Rabbit mAb

Catalog # AP77182

Product Information

Application	WB
Primary Accession	O00161
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human SNAP23
Purification	Affinity Chromatography
Calculated MW	23354

Additional Information

Gene ID	8773
Other Names	SNAP23
Dilution	WB~~1/500-1/1000
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

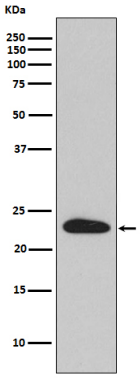
Name	SNAP23 (HGNC:11131)
Function	SNAREs (soluble N-ethylmaleimide-sensitive factor-attachment protein receptors) are essential proteins for intracellular membrane fusion. SNAREs localized on opposing membranes assemble to form a trans-SNARE complex, an extended, parallel four-helix bundle whose assembly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



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