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SNAP 23 Polyclonal Antibody

Catalog # AP73414

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	O00161
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23354

Additional Information

Gene ID	8773
Other Names	SNAP23; Synaptosomal-associated protein 23; SNAP-23; Vesicle-membrane fusion protein SNAP-23
Dilution	WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications. IHC-P~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications. IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

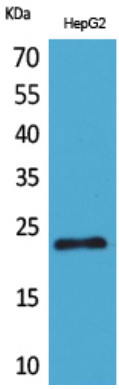
Name	SNAP23 (HGNC:11131)
Function	SNAREs (soluble N-ethylmaleimide-sensitive factor-attachment protein receptors) are essential proteins for intracellular membrane fusion. SNAREs localized on opposing membranes assemble to form a trans-SNARE complex, an extended, parallel four-helix bundle whose assembly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

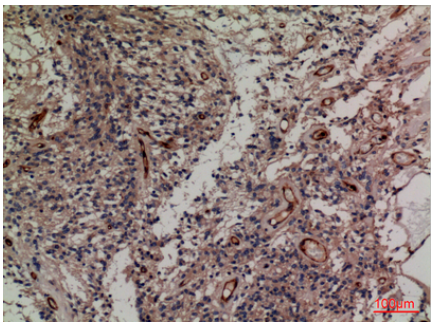
Background

Essential component of the high affinity receptor for the general membrane fusion machinery and an important regulator of transport vesicle docking and fusion.

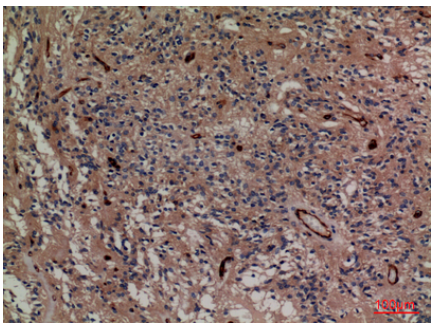
Images



Western Blot analysis of HepG2 cells using SNAP 23 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

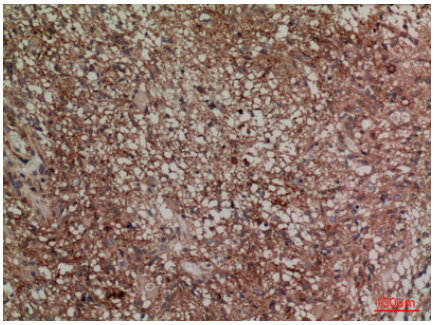


Immunohistochemical analysis of paraffin-embedded human-ovary-cancer, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-ovary-cancer, antibody was diluted at 1:100

Immunohistochemical analysis of paraffin-embedded mouse-brain, antibody was diluted at 1:100



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