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Rabbit Anti-SNAP23 antibody

SLM-54062R

Product Name	SNAP23
Chinese Name	突触相关蛋白 23Recombinant rabbit monoclonal anti
Alias	SNAP 23; SNAP-23; SNAP23A; SNAP23B; SNP23_HUMAN; Synaptosomal associated protein 23; Synaptosomal associated protein 23kDa; Synaptosomal associated protein; Synaptosomal-associated protein 23; Vesicle membrane fusion protein SNAP 23; Vesicle membrane fusion protein SNAP23; Vesicle-membrane fusion protein SNAP-23; HsT17016.
Research Area	Neurobiology The cell membrane 蛋白
Immunogen Species	Rabbit
Clonality	Monoclonal
React Species	Human,Mouse,Chicken
Applications	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:400-800,IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	23kDa
Cellular localization	cytoplasmic The cell membrane
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human SNAP23
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed

Product Detail

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

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

Subunit:
Homotetramer (via coiled-coil domain), also forms heterotetramers with STX4 and VAMP3. Binds simultaneously to SNAPIN and SYN4. Found in a complex with VAMP8 and STX4 in pancreas. Interacts with STX1A and STX12 (By similarity). Binds tightly to multiple syntaxins and synaptobrevins/VAMPs. Found in a complex with VAMP8 and STX1A.

Subcellular Location:
Cell membrane. Cell membrane. Cell junction > synapse > synaptosome. Mainly localized to the plasma membrane.

Similarity:
Belongs to the SNAP-25 family.
Contains 2 t-SNARE coiled-coil homology domains.

SWISS:
O00161

Gene ID:
8773

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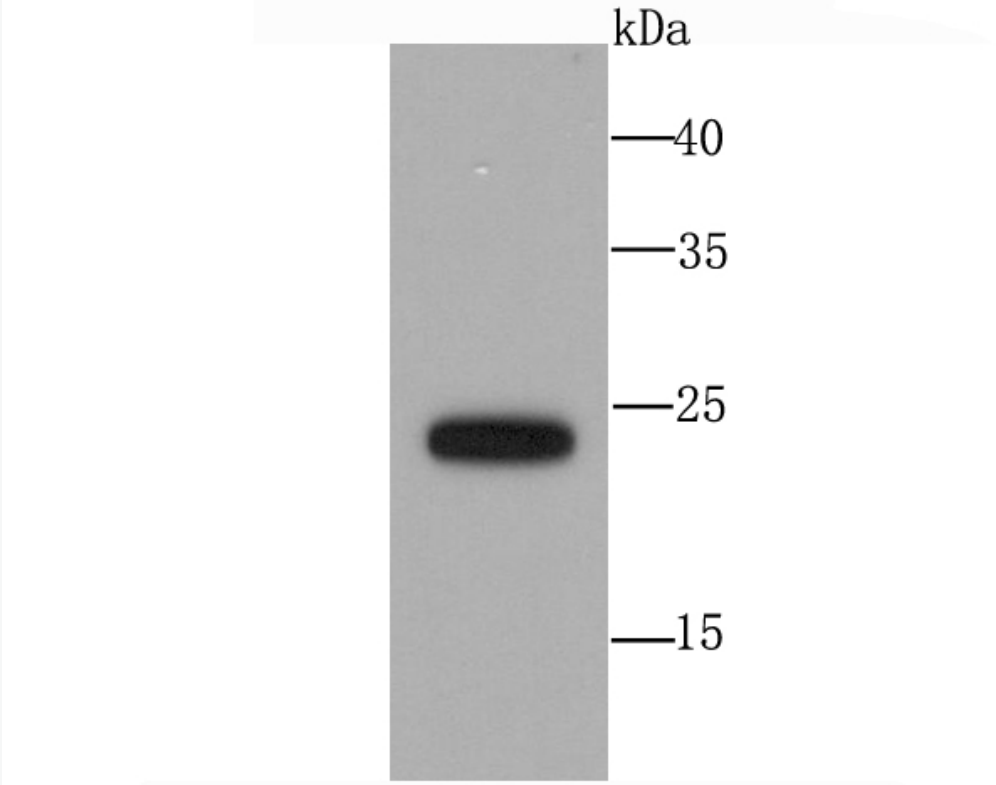
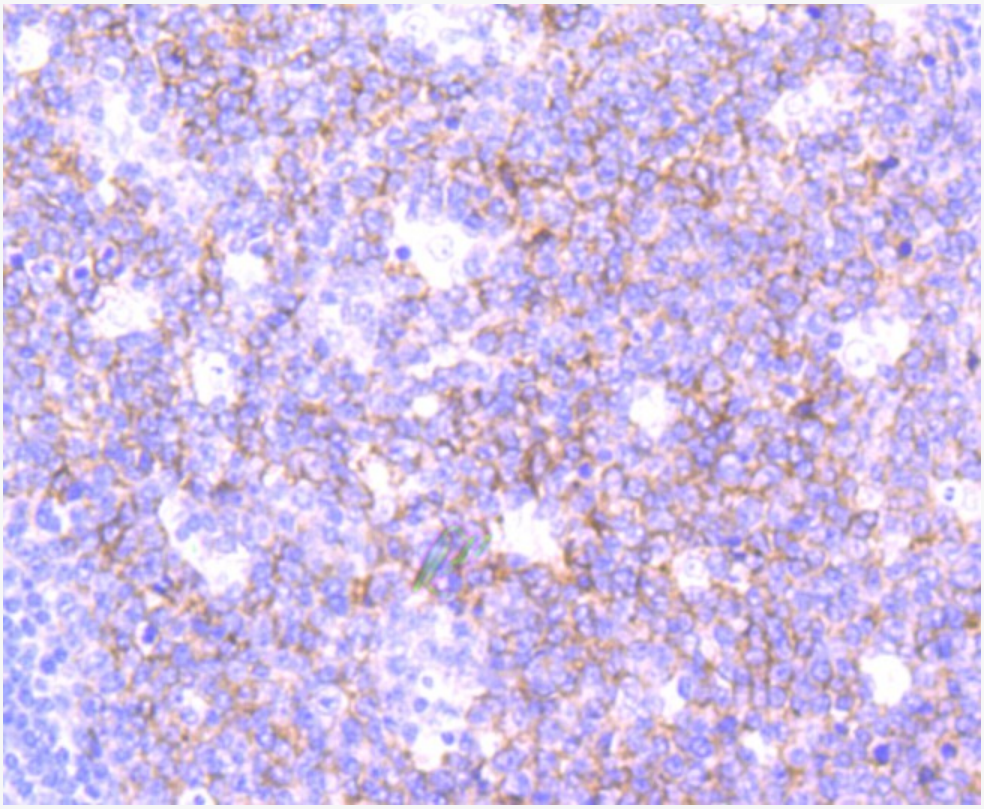
Product Picture



Western blot analysis of SNAP23 on Hela cell lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (SLM-54062R, 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:200,000 dilution was used for 1 hour at room temperature.



Flow cytometric analysis of SNAP23 was done on Hela cells. The cells were fixed, permeabilized and stained with the primary antibody (SLM-54062R, 1/50) (red). After incubation of the primary antibody at room temperature for an hour, the cells were stained with a Alexa Fluor®488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1000 dilution for 30 minutes.Unlabelled sample was used as a control (cells without incubation with primary antibody; black).

Immunohistochemical analysis of paraffin-embedded human tonsil tissue

using anti-SNAP23 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes.The tissues were blocked in 1% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (SLM-54062R, 1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.