

## SNAP 23 Polyclonal Antibody

<b>Catalog No :</b>	YT5231
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	SNAP 23
<b>Fields :</b>	>>SNARE interactions in vesicular transport;>>Platelet activation
<b>Gene Name :</b>	SNAP-23
<b>Protein Name :</b>	Synaptosomal-associated protein 23
<b>Human Gene Id :</b>	8773
<b>Human Swiss Prot No :</b>	O00161
<b>Mouse Swiss Prot No :</b>	O09044
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from the C-terminal region of human SNAP23. AA range:151-200
<b>Specificity :</b>	SNAP 23 Polyclonal Antibody detects endogenous levels of SNAP 23 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC: 1:100-300 ELISA: 1:20000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 25kD

**Cell Pathway :** SNARE interactions in vesicular transport;

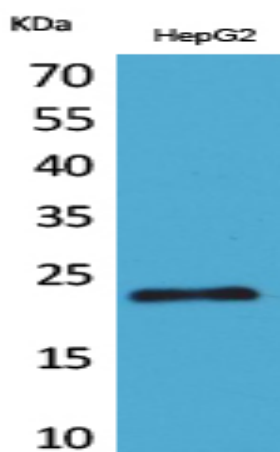
**Background :** Specificity of vesicular transport is regulated, in part, by the interaction of a vesicle-associated membrane protein termed synaptobrevin/VAMP with a target compartment membrane protein termed syntaxin. These proteins, together with SNAP25 (synaptosome-associated protein of 25 kDa), form a complex which serves as a binding site for the general membrane fusion machinery. Synaptobrevin/VAMP and syntaxin are believed to be involved in vesicular transport in most, if not all cells, while SNAP25 is present almost exclusively in the brain, suggesting that a ubiquitously expressed homolog of SNAP25 exists to facilitate transport vesicle/target membrane fusion in other tissues. The protein encoded by this gene is structurally and functionally similar to SNAP25 and binds tightly to multiple syntaxins and synaptobrevins/VAMPs. It is an essential component of the high affinity receptor for the

**Function :** function:Essential component of the high affinity receptor for the general membrane fusion machinery and an important regulator of transport vesicle docking and fusion.,similarity:Belongs to the SNAP-25 family.,similarity:Contains 2 t-SNARE coiled-coil homology domains.,subcellular location:Mainly localized to the plasma membrane.,subunit:Binds simultaneously to SNAP25BP and SYN4. Found in a complex with VAMP8 and STX4 in pancreas (By similarity). Binds tightly to multiple syntaxins and synaptobrevins/VAMPs. Found in a complex with VAMP8 and STX1A.,tissue specificity:Ubiquitous. Highest levels where found in placenta.,

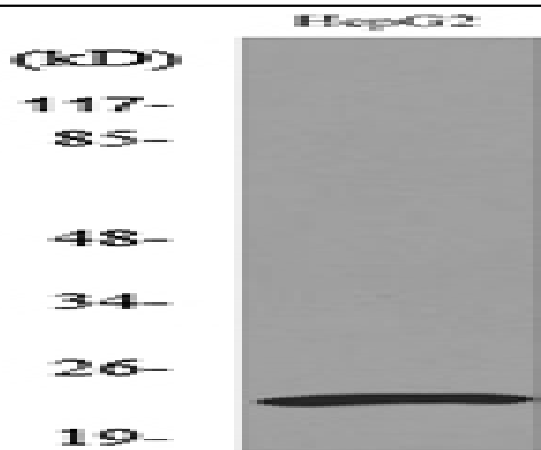
**Subcellular Location :** Cell membrane; Peripheral membrane protein. Cell membrane; Lipid-anchor. Cell junction, synapse, synaptosome. Mainly localized to the plasma membrane.

**Expression :** Ubiquitous. Highest levels where found in placenta.

## Products Images



Western Blot analysis of HepG2 cells using SNAP 23 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysate from HepG2 cells, using SNAP23 Antibody.