Product Name: SNAP 23 Rabbit Polyclonal Antibody
Catalog #: APRab18043

Summary

Production Name	SNAP 23 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	SNAP-23
Alternative Names	SNAP23; Synaptosomal-associated protein 23; SNAP-23; Vesicle-membrane fusion protein SNAP-23
Gene ID	8773.0
SwissProt ID	O00161.The antiserum was produced against synthesized peptide derived from the C-terminal region of human SNAP23. AA range:151-200

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC: 1:100-300 ELISA: 1:20000..
Molecular Weight	25kD

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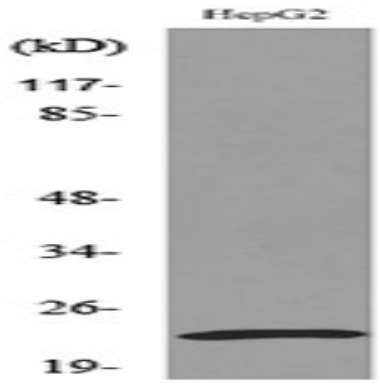
Background

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 thefunction: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.,

Research Area

SNARE interactions in vesicular transport;

Image Data



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

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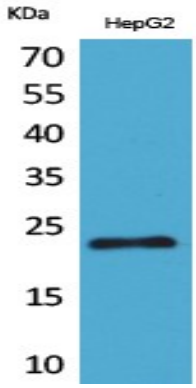
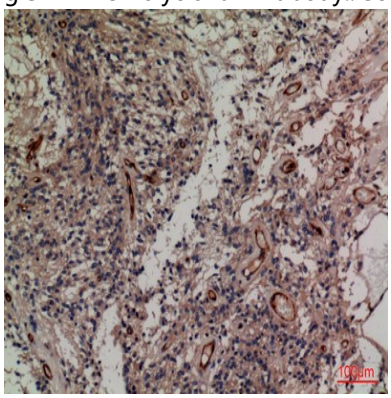
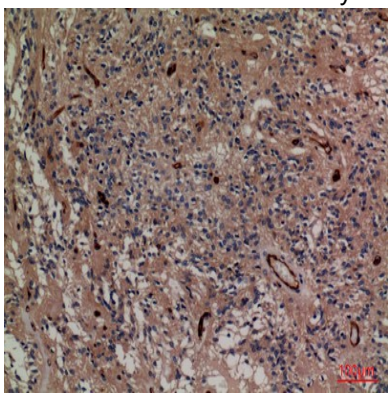


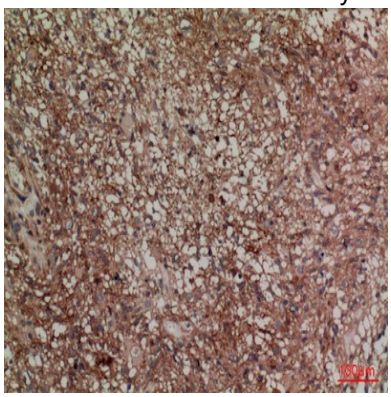
Western Blot analysis of HepG2 cells using SNAP 23 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



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



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

Note

For research use only.