abcam

Product datasheet

Anti-SNAP23 antibody ab3340

7 Abreviews 19 References 7 图像

概述

产品名称	Anti-SNAP23抗体
描述	兔多克隆抗体to SNAP23
宿主	Rabbit
经测试应用	**适用于:** WB, ICC/IF, IP, IHC-P
种属反应性	**与反应:** Mouse, Rat, Human, Recombinant fragment
免疫原	Synthetic peptide corresponding to Mouse SNAP23 aa 193-210. Sequence: NKNRIDIANTRAKKLIDS (Peptide available as **ab4956**) Run BLAST with Run BLAST with
常规说明	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Constituents: 0.1% BSA, 99% PBS
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab3340于以下的经测试应用

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	(6)	Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 23 kDa. 23kDa band represents SNAP 23 from rat brain protein extract.
ICC/IF		Use a concentration of 2 µg/ml.
IP	(1)	Use at an assay dependent concentration. Used at a concentration of 2 ug/ml for 1 hr (see Abreview).
IHC-P		Use a concentration of 1 µg/ml.

靶标

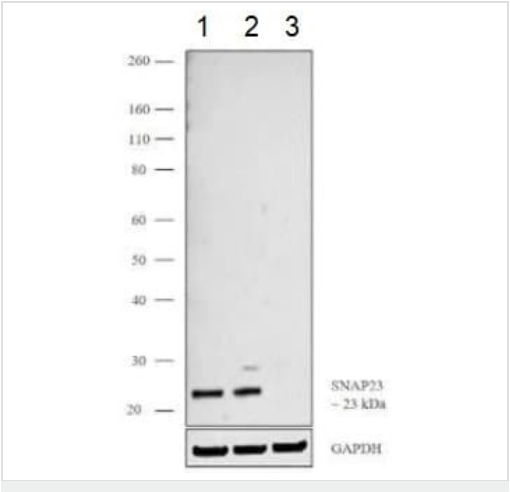
功能 Essential component of the high affinity receptor for the general membrane fusion machinery and an important regulator of transport vesicle docking and fusion.

组织特异性 Ubiquitous. Highest levels where found in placenta.

序列相似性 Belongs to the SNAP-25 family.
Contains 2 t-SNARE coiled-coil homology domains.

细胞定位 Cell membrane. Cell membrane. Cell junction, synapse, synaptosome. Mainly localized to the plasma membrane.

图片



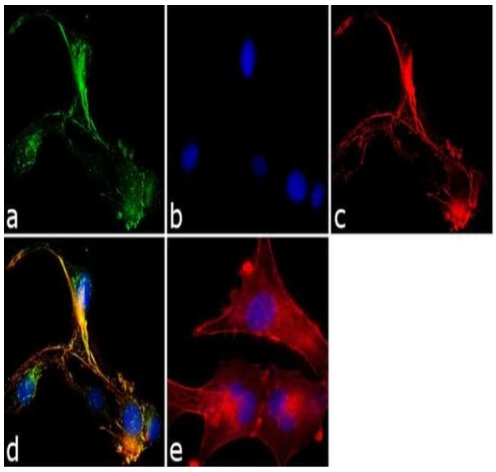
Western blot - Anti-SNAP23 antibody (ab3340)

All lanes : Anti-SNAP23 antibody (ab3340) at 1 µg/ml

Lane 1 : Untransfected U-87 MG (Human glioblastoma-astrocytoma epithelial cell line) whole cell lysates
Lane 2 : Non-specific scrambled siRNA transfected U-87 MG whole cell lysates
Lane 3 : SNAP23 KO U-87 MG (Human glioblastoma-astrocytoma epithelial cell line) whole cell lysates

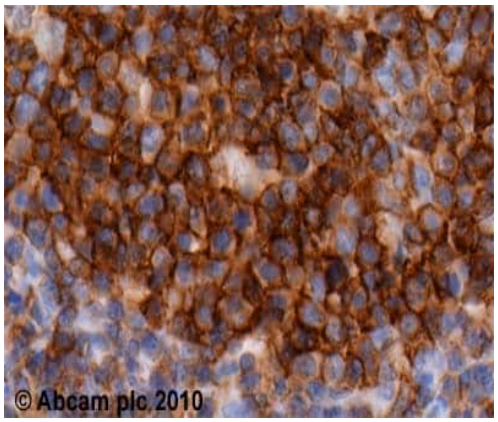
Secondary
All lanes : Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate at 0.25 µg/ml

Decrease in signal upon siRNA mediated knock down confirms that antibody is specific to SNAP23.



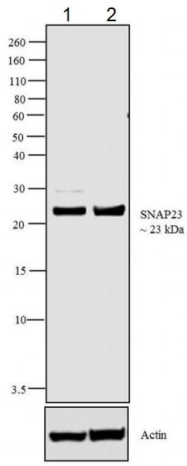
Immunocytochemistry/ Immunofluorescence - Anti-SNAP23 antibody (ab3340)

Immunofluorescence analysis of SNAP-23 was performed using 90% confluent log phase U-87 MG (Human glioblastoma-astrocytoma epithelial cell line) cells with ab3340. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with ab3340 at 2µg/mL in 0.1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with DAPI. F-actin (Panel c: red) was stained with Alexa Fluor® 555 Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing membrane localization. Panel e shows the no primary antibody control. The images were captured at 60X magnification.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SNAP23 antibody (ab3340)

ab3340 (1ug/ml) staining SNAP23 in human tonsil using an automated system (DAKO Autostainer Plus). Using this protocol there is strong staining of cellular membrane compartments of the lymphatic nodules.
Sections were rehydrated and antigen retrieved with the Dako 3 in 1 AR buffer EDTA pH 9.0 in a DAKO PT link. Slides were peroxidase blocked in 3% H_2O_2 in methanol for 10 mins. They were then blocked with Dako Protein block for 10 minutes (containing casein 0.25% in PBS) then incubated with primary antibody for 20 min and detected with Dako envision flex amplification kit for 30 minutes. Colorimetric detection was completed with Diaminobenzidine for 5 minutes. Slides were counterstained with Haematoxylin and coverslipped under DePeX. Please note that, for manual staining, optimization of primary antibody concentration and incubation time is recommended. Signal amplification may be required.



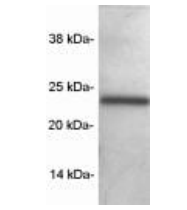
Western blot - Anti-SNAP23 antibody (ab3340)

All lanes : Anti-SNAP23 antibody (ab3340) at 2 µg/ml

Lane 1 : U-87 MG (Human glioblastoma-astrocytoma epithelial cell line) whole cell lysate
Lane 2 : HepG2 (Human liver hepatocellular carcinoma cell line) whole cell lysate

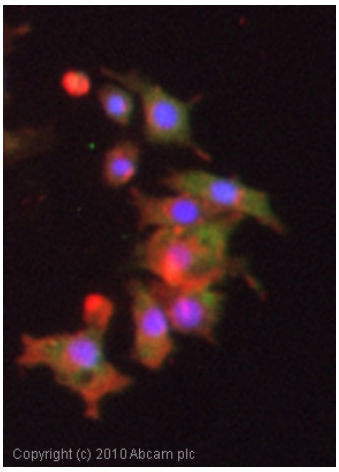
Lysates/proteins at 30 µg/ml per lane.

Secondary
All lanes : Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate at 0.4 µg/ml



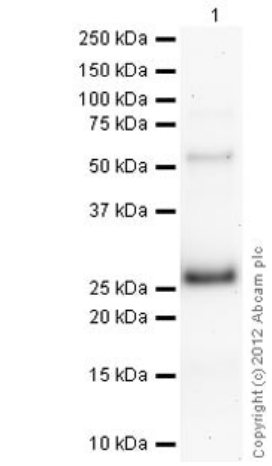
Western blot - Anti-SNAP23 antibody (ab3340)

Anti-SNAP23 antibody (ab3340) + Rat brain tissue



Immunocytochemistry/ Immunofluorescence - Anti-SNAP23 antibody (ab3340)

ICC/IF image of ab3340 stained PC-12 (Rat adrenal gland pheochromocytoma cell line) cells. The cells were 4% PFA fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab3340, 5µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



Western blot - Anti-SNAP23 antibody (ab3340)

Anti-SNAP23 antibody (ab3340) at 1 µg/ml + Recombinant Human SNAP23 protein (**ab79180**) at 0.001 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Exposure time: 2 minutes

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