abcam

Product datasheet

Anti-Cellubrevin antibody ab5789

★★★★★ **1 Abreviews**   **5 References**   5 图像

概述

产品名称	Anti-Cellubrevin抗体
描述	兔多克隆抗体to Cellubrevin
宿主	Rabbit
经测试应用	**适用于：** WB, ICC/IF
种属反应性	**与反应：** Mouse, Rat, Human
免疫原	Synthetic peptide corresponding to Mouse Cellubrevin aa 1-18. Sequence: MSTGVPSGSSAATGSNRR (Peptide available as **ab5861**) 🖼 **Run BLAST with** 🖼 **Run BLAST with**
阳性对照	WB: HeLa cell extract (**ab7898**) ; Mouse Brain ; Rat Brain ICC/IF: NIH/3T3 (Mouse embryonic fibroblast cell line) ; Neuro-2a (Mouse neuroblastoma cell line)
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. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.05% Sodium azide Constituents: 99% PBS, 0.1% BSA
纯度	Immunogen affinity purified
Primary antibody说明	The vesicle associated membrane proteins (VAMP) or synaptobrevins are calcium binding proteins specific to eukaryotes. VAMPs, along with synaptosomal associated protein of 25 kDa

(SNAP-25) and syntaxin, form the core complex of soluble NSF attachment protein receptor (SNARE) proteins that interact with the soluble proteins N-ethylmaleimide-sensitive factor (NSF) and alpha-SNAP. These membrane associated proteins play a key role in the regulation of vesicle membrane fusion with the plasma membrane. The Clostridium tetani neurotoxin is a metalloprotease with specificity for VAMP. In Alzheimer's disease, all VAMP isoform levels appear to be significantly reduced.

克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee   **Abpromise™承诺保证使用ab5789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。

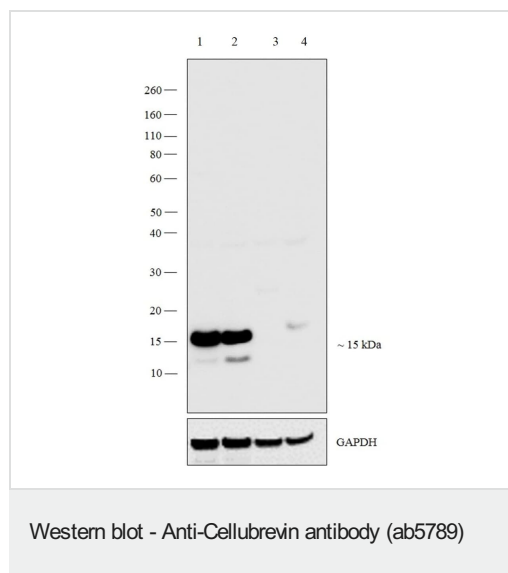| 应用	Ab评论	说明
WB	★★★★★ (1)	1/500. Detects a band of approximately 13 kDa (predicted molecular weight: 12 kDa).
ICC/IF		1/50.

靶标

功能	SNARE involved in vesicular transport from the late endosomes to the trans-Golgi network.
序列相似性	Belongs to the synaptobrevin family. Contains 1 v-SNARE coiled-coil homology domain.
翻译后修饰	Phosphorylated upon DNA damage, probably by ATM or ATR.
细胞定位	Membrane. Cell junction > synapse > synaptosome.

图片

All lanes : Anti-Cellubrevin antibody (ab5789)

Lane 1 : Mouse Brain
Lane 2 : Rat Brain
Lane 3 : Mouse Liver
Lane 4 : Rat Liver

Predicted band size: 12 kDa
Additional bands at: ~15 kDa. We are unsure as to the identity of these extra bands.

Western blot - Anti-Cellubrevin antibody (ab5789)

Relative expression of Cellubrevin observed in Mouse Brain and Rat Brain in comparison to Mouse Liver and Rat Liver using ab5789 to demonstrate specificty of expression of target across different tissues.
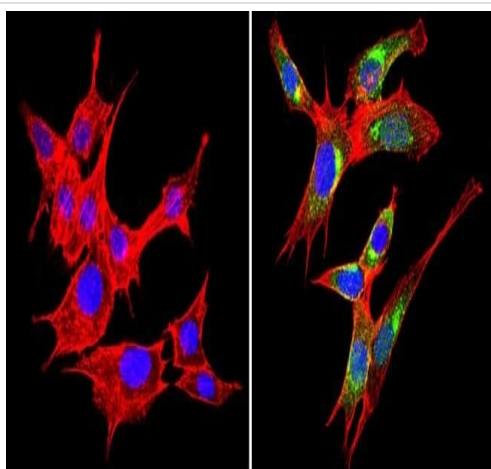

Western blot - Anti-Cellubrevin antibody (ab5789)

Western blot analysis of recombinant rat VAMP-3 using ab5789.
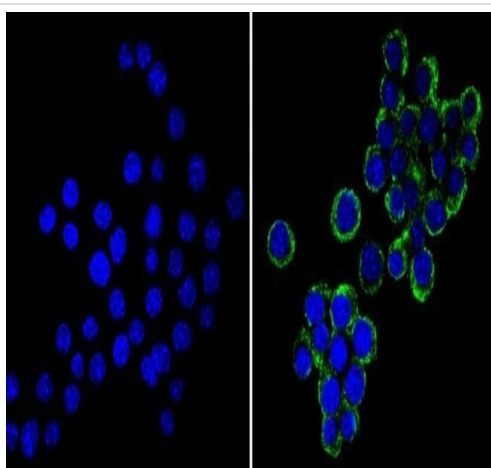

Western blot - Anti-Cellubrevin antibody (ab5789)

Western blot analysis of VAMP-3 in HeLa cell extract using ab5789.

Immunocytochemistry/ Immunofluorescence - Anti-Cellubrevin antibody (ab5789)

Immunofluorescent analysis of formalin-fixed, 0.1% Triton™ X-100 permeabilized, NIH/3T3 (Mouse embryonic fibroblast cell line) cells, blocked with 3% BSA-PBS for 30 minutes at room temperature. Labelling cellubrevin with ab5789 at 1/50 dilution and incubated overnight at 4°C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody at room temperature in the dark (right image). Compared with negative control without primary antibody (left image). Nuclei were stained with DAPI (Blue). Actin was stained with Alexa Fluor® 555 (Red). The images were captured at 60X magnification.

Immunocytochemistry/ Immunofluorescence - Anti-Cellubrevin antibody (ab5789)

Immunofluorescent analysis of formalin-fixed, 0.1% Triton™ X-100 permeabilized, Neuro-2a (Mouse neuroblastoma cell line) cells, blocked with 3% BSA-PBS for 30 minutes at room temperature. Labelling cellubrevin with ab5789 at 1/50 dilution and incubated overnight at 4°C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody at room temperature in the dark (right image). Compared with negative control without primary antibody (left image). Nuclei were stained with DAPI (Blue).The images were captured at 60X magnification.

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