

Product datasheet

Anti-Cellubrevin antibody ab5789

★★★★★ 1 Abreviews 5 References 5 Images

Overview

Product name	Anti-Cellubrevin antibody
Description	Rabbit polyclonal to Cellubrevin
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human, Recombinant fragment
Immunogen	Synthetic peptide corresponding to Mouse Cellubrevin aa 1-18. Sequence: MSTGVPSGSSAATGSNRR (Peptide available as ab5861) Run BLAST with Run BLAST with
Positive control	WB: HeLa cell extract (ab7898) ; Mouse Brain ; Rat Brain ICC/IF: NIH/3T3 (Mouse embryonic fibroblast cell line) ; Neuro-2a (Mouse neuroblastoma cell line)
General notes	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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium azide Constituents: 99% PBS, 0.1% BSA
Purity	Immunogen affinity purified
Primary antibody notes	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.

Clonality Polyclonal
Isotype IgG

Applications

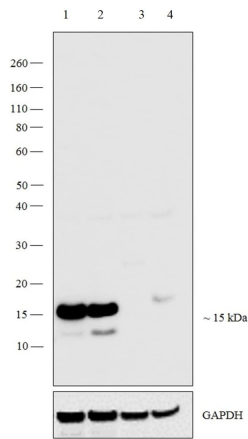
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab5789 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	1/500. Detects a band of approximately 13 kDa (predicted molecular weight: 12 kDa).
ICC/IF		1/50.

Target

Function SNARE involved in vesicular transport from the late endosomes to the trans-Golgi network.
Sequence similarities Belongs to the synaptobrevin family.
Contains 1 v-SNARE coiled-coil homology domain.
Post-translational modifications Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization Membrane. Cell junction > synapse > synaptosome.

Images



Western blot - Anti-Cellubrevin antibody (ab5789)

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.

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



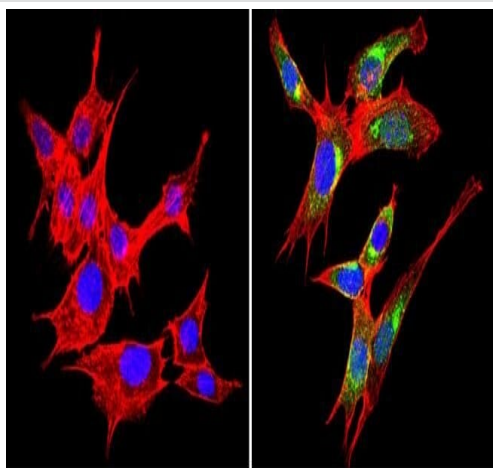
Western blot - Anti-Cellubrevin antibody (ab5789)

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



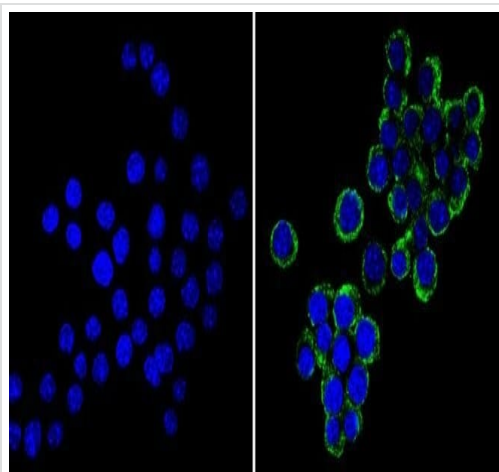
Western blot - Anti-Cellubrevin antibody (ab5789)

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.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors