Product information

Monoclonal anti-human Cellubrevin antibody (clone AT4G9)

Mouse IgG_{2b}, κ

Cat. No. IBAVA0922

Immunogen: Recombinant human cellubrevin (1-77aa) purified from *E. coli*

NCBI Accession No.: NP_004772

Isotype: Mouse IgG_{2b} heavy chain and κ light chain

Clone: Anti-human cellubrevin mAb, clone AT4G9, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human cellubrevin protein.

Description: Cellubrevin, also known as VAMP3, is a member of the Vamp/synaptobrevin family. Vamps, syntaxins, and the 25-kD synaptosomal-associated protein are the main components of a protein complex involved in the docking and/or fusion of synaptic vesicles with the presynaptic membrane. Cellubrevin is a vesicular soluble *N*-ethylmaleimide sensitive factor attachment protein receptor (v-SNARE) homologous to the neuronal synaptobrevins 1/2 and is also a substrate of tetanus neurotoxin.

Concentration: 1 mg/ml

Form: Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol

Storage: Can be stored at +4C. For long term storage, aliquot and store at -20C. Avoid repeated freezing and thawing cycles.

Usage: The antibody has been tested by ELISA, Western blot and Flow cytometry analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

Application: ELISA, WB, Flow cytometry

Manufactured for:
Immuno-Biological Laboratories, Inc. (IBL-America)
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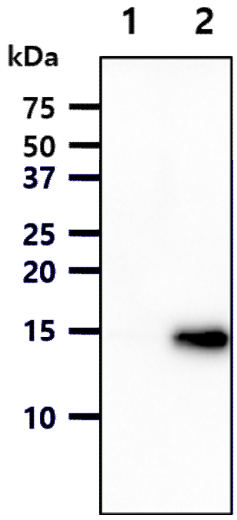
Product information

Western blot analysis

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human cellubrevin antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

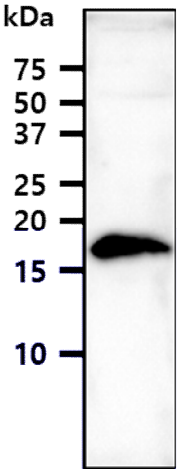
Lane 1.: 293T cell lysate

Lane 2.: Cellubrevin transfected 293T cell lysate



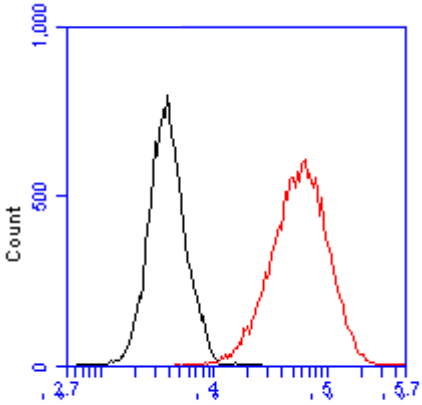
Western blot analysis

The mouse brain tissue lysate (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human cellubrevin antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Flow cytometry

Flow cytometry analysis of Cellubrevin in HeLa cell line, staining at 2-5ug for 1x10^{6}cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).



Alexa488-anti-Cellubrevin

General references: Proux-G V., *et al*. (2005) *Proc Natl Acad Sci USA.* **102(18):** 6362–6367.
Randhawa VK., *et al.* (2000) *Mol Cell Biol.* **11(7):** 2403–2417.
Olson AL., *et al.* (1997) *Mol Cell Biol.* **17(5):** 2425–2435.

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