

Mouse Anti-Human VAMP3 Monoclonal Antibody

Cat. No. CAB-442 MH **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source Mouse

Product Overview Monoclonal Antibody to Human vesicle-associated membrane protein 3 (cellubrevin)(VAMP3)

Antigen 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.

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

Clone Number MAFB4160

Isotype Mouse IgG2b heavy chain and k light chain.

Clone Anti-human VAMP3 mAb, clone MAFB4160, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant hu-man cellubrevin protein.

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Concentration	1mg/ml.
Form	Liquid. Supplied in Phosphate-Buffered Saline (pH 7.4) with 0.1% Sodium Azide.
Applications	ELISA, WB.
Usage	The antibody has been tested by ELISA and West-ern blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recom-mended dilution range for Western blot analysis is 1:1000 ~ 1:2000. Recommended starting dilution is 1:1000.
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Western Blot Analysis	The extracts of mouse lung tissue(40ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human Cellubrevin (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

GENE INFORMATION

Gene Name	VAMP3 – vesicle-associated membrane protein 3 [Homo sapiens]
Official Symbol	VAMP3
Synonyms	VAMP3; vesicle-associated membrane protein 3 (cellubrevin); CEB; VAMP-3; SYB3; Cellubrevin; OTTHUMP-00000001361; Synaptobrevin-3; vesicle-associated membra-ne protein 3; vesicle-associated membrane protein 3 (cell-ubrevin)
Gene ID	9341

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mRNA Refseq	NM_004781.3
Protein Refseq	NP_004772.1
MIM	603657
UniProt ID	Q15836
Chromosome Location	1p36.23
Pathway	Arf6 trafficking events; Phagosome; SNARE inter-actions in vesicular transport
Function	protein binding

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