

## Mouse Anti-Human VAMP3 Monoclonal Antibody

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

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	Mouse
<b>Product Overview</b>	Monoclonal Antibody to Human vesicle-associated membrane protein 3 (cellubrevin)(VAMP3)
<b>Antigen description</b>	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.
<b>Immunogen</b>	Recombinant human cellubrevin (1-77aa) purified from E. coli.
<b>Clone Number</b>	MAFB4160
<b>Isotype</b>	Mouse IgG2b heavy chain and k light chain.
<b>Clone</b>	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.
<b>Concentration</b>	1mg/ml.

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<b>Form</b>	Liquid. Supplied in Phosphate-Buffered Saline (pH 7.4) with 0.1% Sodium Azide.
<b>Applications</b>	ELISA, WB.
<b>Usage</b>	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. Recommended dilution range for Western blot analysis is 1:1000 ~ 1:2000. Recommended starting dilution is 1:1000.
<b>Storage</b>	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.
<b>Western Blot Analysis</b>	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

<b>Gene Name</b>	VAMP3 – vesicle-associated membrane protein 3 [Homo sapiens]
<b>Official Symbol</b>	VAMP3
<b>Synonyms</b>	VAMP3; vesicle-associated membrane protein 3 (cellubrevin); CEB; VAMP-3; SYB3; Cellubrevin; OTTHUMP-00000001361; Synaptobrevin-3; vesicle-associated membrane protein 3; vesicle-associated membrane protein 3 (cell-ubrevin)
<b>Gene ID</b>	9341
<b>mRNA Refseq</b>	NM_004781.3

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

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