

## Mouse monoclonal antibody to human CAB2 [6C1]: IgG

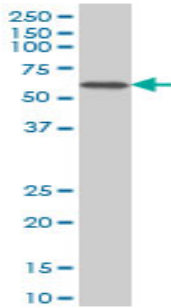
<b>Catalogue No.:</b>	M-809-100
<b>Description:</b>	The L-type calcium channel is composed of four subunits: alpha-1, alpha-2, beta and gamma. The beta subunit of voltage-dependent calcium channels aids the function of the calcium channel by increasing the peak calcium current, shifting the voltage dependencies of activation and inactivation, modulating G protein inhibition and controlling the alpha-1 subunit membrane targeting. CAB2 is a membrane protein that is expressed in all tissues. The unprocessed precursor is 660 amino acids in length and has a predicted molecular weight of 74.5KDa. It belongs to the calcium channel beta subunit family and contains one SH3 domain. CAB2 is involved in the MAPK signalling pathway and is also associated with Lambert-Eaton myasthenic syndrome.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 ug
<b>Antigen:</b>	This antibody was raised against a partial recombinant protein of human CAB2 (amino acids 213 to 301) with a GST tag.
<b>Clone:</b>	6C1
<b>Other Names:</b>	Voltage-dependent L-type calcium channel subunit beta-2; calcium channel voltage-dependent subunit beta 2; Lambert-Eaton myasthenic syndrome antigen B; MYSB; CACNB2
<b>Accession:</b>	CACB2_HUMAN
<b>Produced in:</b>	Mouse
<b>Purity:</b>	Protein G purified immunoglobulin
<b>Applications:</b>	This antibody is recommended for WB, direct and sandwich ELISA. The detection limit for recombinant CAB2 protein with GST tag is 0.1ng/mL when this antibody is used in sandwich ELISA. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	The specificity of this antibody was confirmed by WB and ELISA against the recombinant GST tagged CAB2 protein. GST tag alone was used as a negative control.
<b>Cross-reactivity:</b>	This antibody cross reacts with human, mouse and rat CAB2 proteins. Other species have not been tested.
<b>Form:</b>	Lyophilised from PBS pH 7.2
<b>Reconstitution:</b>	Reconstitute in 100 uL of sterile water. Centrifuge to remove any insoluble material.
<b>Storage:</b>	After reconstitution keep aliquots at -20C for higher stability or at 2-8C with an appropriate antibacterial agent. Glycerol (1:1) may be added for additional stability. Avoid repetitive freeze/thaw cycles.
<b>Expiry Date:</b>	12 months after purchase

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FOR RESEARCH USE ONLY

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Western blot detection of CAB2 in Jurkat cell lysate when using monoclonal antibody to human CAB2 [6C1], catalogue number M-809-100.

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