



CACB1 mouse mAb

Catalog No	YP-mAb-11310
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CACNB1 CACNLB1
Immunogen	Synthesized peptide derived from human CACB1 AA range: 79-129
Specificity	This antibody detects endogenous levels of CACB1 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CACB1;CACNB1 CACNLB1
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Cell membrane, sarcolemma ; Peripheral membrane protein ; Cytoplasmic side . Cell membrane ; Peripheral membrane protein .
Tissue Specificity	Detected in heart ventricle (at protein level) (PubMed:15615847). Isoform 1 and isoform 3 are expressed in brain, heart, spleen, central nervous system and neuroblastoma cells. Isoform 2 is expressed in skeletal muscle.
Function	function:The beta subunit of voltage-dependent calcium channels contributes to the function of the calcium channel by increasing peak calcium current, shifting the voltage dependencies of activation and inactivation, modulating G protein inhibition and controlling the alpha-1 subunit membrane targeting., similarity:Belongs to the calcium channel beta subunit family.,similarity:Contains 1 SH3 domain.,subunit:The L-type calcium channel is composed of four subunits: alpha-1, alpha-2, beta and gamma. Interacts with JSRP1.,tissue specificity:Expressed in brain, heart and spleen (isoform 1 and 3) and in skeletal muscle (isoform 2).,



Background

The protein encoded by this gene belongs to the calcium channel beta subunit family. It plays an important role in the calcium channel by modulating G protein inhibition, increasing peak calcium current, controlling the alpha-1 subunit membrane targeting and shifting the voltage dependence of activation and inactivation. Alternative splicing occurs at this locus and three transcript variants encoding three distinct isoforms have been identified. [provided by RefSeq, Jul 2008],

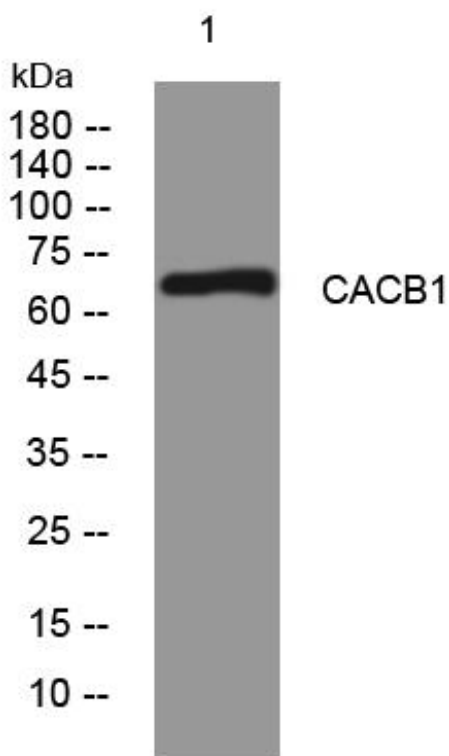
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using CACB1 mouse mAb