

KB512

For research use only

Anti Human CACNB1 Polyclonal Antibody

Code No.	KB512				250 - 150 -
Terget	CACNB1				100 - 75
Category	Transporter				50 - 37 -
Gene ID	782				
Primary Source	HGNC:1401				20 -
Synonyms	CAB1; CCHLB1;	CACNLB1; M	IGC41896; CAC	NB1	15-
					10-
Туре	Polyclonal Antibo	ody			[WB] CACNB1 transfected 293T cell lysate
Immunogen	Recombinant protein of full length Human CACNB1				
Raised in	Mouse				
Myeloma	-				
Clone number	-				
Purification	Protein A purified				
Source	Mouse Serum				
Isotype	-				
Cross Reactivity	-				
Label	Unlabeled				
Concentration	0.5 mg/mL				
Contents (Volume)	50 µg				
Buffer	PBS, pH 7.2				
Storage	Store at - 20 $^\circ\!C$ long term, store at 4 $^\circ\!C$ short term. Avoid repeated freeze-thaw cycles.				
Application	WB				
	ELISA	WB	IHC	ICC	
	-	1.0	-	-	
		FCM		Neutralization	

Reference

1. Powers P.A., et al. "Skeletal muscle and brain isoforms of a beta-subunit of human voltage-dependent calcium channels are encoded by a single gene." J. Biol. Chem. 267:22967-22972(1992)

 $(\mu g/mL)$

2. Collin T., et al. "Molecular cloning of three isoforms of the L-type voltage-dependent calcium channel beta subunit from normal human heart." Circ. Res. 72:1337-1344(1993)

3. Fukuda K., et al. "Cyclic AMP-dependent modulation of N- and Q-type Ca2+ channels expressed in Xenopus oocytes." Neurosci. Lett. 217:13-16(1996)

UniPlot Summary

//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.

//Subcellular location: Cell membrane > sarcolemma; Peripheral membrane protein; Cytoplasmic side.

//Tissue specificity: Expressed in brain, heart and spleen (isoform 1 and 3) and in skeletal muscle (isoform 2).

//Sequence similarities Belongs to the calcium channel beta subunit family. Contains 1 SH3 domain.

