

KB514

For research use only

Anti Human CACNG1 Polyclonal Antibody

Code No. KB514
Target CACNG1
Category Transporter
Gene ID 786
Primary Source HGNC:1405
Synonyms CACNLG; CACNG1

Type Polyclonal Antibody
Immunogen Recombinant protein of full length Human CACNG1

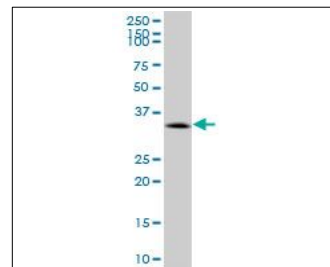
Raised in Mouse
Myeloma -
Clone number -
Purification Protein A purified
Source Mouse Serum
Isotype -
Cross Reactivity -
Label Unlabeled
Concentration 0.5 mg/mL
Contents (Volume) 50 µg
Buffer PBS, pH 7.2

Storage Store at - 20 °C long term, store at 4 °C short term. Avoid repeated freeze-thaw cycles.

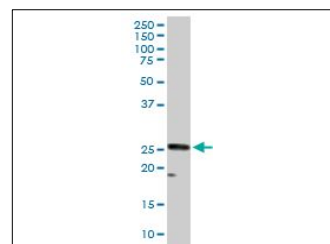
Application WB,FCM

ELISA	WB	IHC	ICC
-	1.0	-	-
IP	FCM	IF	Neutralization
-	1.0	-	-

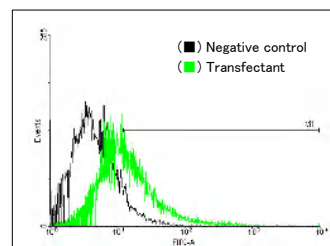
(µg/mL)



[WB] K-562 cell lysate



[WB] CACNG1 transfected 293T cell lysate



[FCM] CACNG1 expressing 293 cells

Reference

1. Powers P.A., et al. "Molecular characterization of the gene encoding the gamma subunit of the human skeletal muscle 1,4-dihydropyridine-sensitive Ca²⁺ channel (CACNLG), cDNA sequence, gene structure, and chromosomal location." J. Biol. Chem. 268:9275-9279(1993)
2. Iles D.E., et al. "Localization of the gamma-subunit of the skeletal muscle L-type voltage-dependent calcium channel gene (CACNLG) to human chromosome band 17q24 by in situ hybridization and identification of a polymorphic repetitive DNA sequence at the gene locus." Cytogenet. Cell Genet. 64:227-230(1993)

UniPlot Summary

//Function: This protein is a subunit of the dihydropyridine (DHP) sensitive calcium channel. Plays a role in excitation-contraction coupling. The skeletal muscle DHP-sensitive Ca²⁺ channel may function only as a multiple subunit complex.

//Subcellular location: Membrane; Multi-pass membrane protein.

//Tissue specificity: Skeletal muscle.

//Sequence similarities: Belongs to the PMP-22/EMP/MP20 family. CACNG subfamily.