



CAC1S Polyclonal Antibody

Catalog No	YP-Ab-06396
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	CACNA1S CACH1 CACN1 CACNL1A3
Immunogen	Synthesized peptide derived from human protein . at AA range: 330-410
Specificity	CAC1S Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CACH1;CACN1;CACNL1A3;Calcium channel;L type;alpha-1 polypeptide; isoform 3;skeletal muscle;Cav1.1;CAC1S;CACNA1S CACH1 CACN1 CACNL1A3;Voltage-dependent L-type calcium channel subunit alpha-1S (Calcium channel;skeletal muscle) (Voltage-gated calcium channel subunit alpha Cav1.1)
Observed Band	200-220 kDa
Calculated Molecular Weight	212 kDa
Cell Pathway	Cell membrane, sarcolemma, T-tubule ; Multi-pass membrane protein .
Tissue Specificity	Skeletal muscle specific.
Function	disease:Defects in CACNA1S are a cause of periodic paralysis hypokalemic (HOKPP) [MIM:170400]; also designated HYPOPP. HOKPP is an autosomal dominant disorder manifested by episodic flaccid generalized muscle weakness associated with falls of serum potassium levels.,disease:Defects in CACNA1S are the cause of malignant hyperthermia susceptibility 5 (MHS5) [MIM:601887]; an autosomal dominant disorder that is potentially lethal in susceptible individuals on exposure to commonly used inhalational anesthetics and depolarizing muscle relaxants.,domain:Each of the four internal repeats contains five hydrophobic transmembrane segments (S1, S2, S3, S5, S6) and one



positively charged transmembrane segment (S4). S4 segments probably represent the voltage-sensor and are characterized by a series of positively charged amino acids at every third position.,domain:The loop between repeats II and III in

Background

calcium voltage-gated channel subunit alpha1 S(CACNA1S) Homo sapiens This gene encodes one of the five subunits of the slowly inactivating L-type voltage-dependent calcium channel in skeletal muscle cells. Mutations in this gene have been associated with hypokalemic periodic paralysis, thyrotoxic periodic paralysis and malignant hyperthermia susceptibility. [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