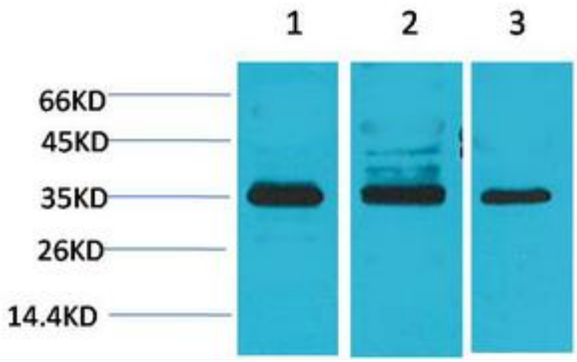
L-type Ca++ CP γ 4 Monoclonal Antibody

Catalog No	YP-mAb-16310
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CACNG4
Immunogen	Synthetic Peptide of L-type Ca++ CP γ4 AA range: 120-200
Specificity	The antibody detects endogenous L-type Ca++ CP γ4 protein.
Formulation	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
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	4F2 LC;4F2 light chain;4F2LC;CD98;CD98 light chain;CD98LC;D16S469E; DC49;E16;hLAT1;Integral membrane protein E16;L type amino acid transporter; L type amino acid transporter 1;L-type amino acid transporter 1;Large neutral amino acids transporter 1;Large neutral amino acids transporter;Large neutral amino acids transporter small subunit 1;LAT1;LAT1_HUMAN;Membrane protein E16;MPE16;Slc7a5;Sodium independent neutral amino acid transporter;Sodium independent neutral amino acid transporter LAT1;Solute carrier family 7 (cationic amino acid transporter y+ system) member 5;Solute carrier family 7 member 5;TA1;Tumor associated protein 1;y+ system cationic amino acid transporter;L-type Ca++ CP γ4;CACNG4;Voltage-dependent calcium channel gamma-4 subunit;Neuronal voltage-gated calcium channel gamma-4 subunit; Transmembrane AMPAR regulatory protein gamma-4;TARP gamma-4
Observed Band	35kD
Calculated Molecular Weight	35kD
Cell Pathway	Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Detected in heart left ventricle.

Function	function:Thought to stabilize the calcium channel in an inactivated (closed) state., similarity:Belongs to the PMP-22/EMP/MP20 family. CACNG subfamily., subunit:The L-type calcium channel is composed of five subunits: alpha-1, alpha-2/delta, beta and gamma.,
Background	calcium voltage-gated channel auxiliary subunit gamma 4(CACNG4) Homo sapiens The protein encoded by this gene is a type I transmembrane AMPA receptor regulatory protein (TARP). TARPs regulate both trafficking and channel gating of the AMPA receptors. This gene is part of a functionally diverse eight-member protein subfamily of the PMP-22/EMP/MP20 family and is located in a cluster with two family members, a type II TARP and a calcium channel gamma subunit. [provided by RefSeq, Dec 2010],
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 L-type Ca++ CP γ 4 Monoclonal Antibody