

Recombinant Anti-Cav1.4 Rabbit mAb

Catalog # AP95398

Product Information

Application	WB, FC
Primary Accession	O60840
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	220678

Additional Information

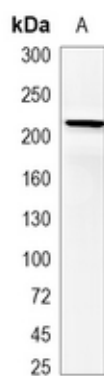
Gene ID	778
Other Names	CACNAF1; Voltage-dependent L-type calcium channel subunit alpha-1F; Voltage-gated calcium channel subunit alpha Cav1.4
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human Cav1.4 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	CACNA1F (HGNC:1393)
Synonyms	CACNAF1
Function	[Isoform 1]: Voltage-sensitive calcium channels (VSCC) mediate the entry of calcium ions into excitable cells and are also involved in a variety of calcium-dependent processes, including muscle contraction, hormone or neurotransmitter release, gene expression, cell motility, cell division and cell death. The isoform alpha-1F gives rise to L-type calcium currents. Long-lasting (L-type) calcium channels belong to the 'high-voltage activated' (HVA) group. They are blocked by dihydropyridines (DHP), phenylalkylamines, and by benzothiazepines. Activates at more negative voltages and does not undergo calcium- dependent inactivation (CDI), due to incoming calcium ions, during depolarization.
Cellular Location	Membrane; Multi-pass membrane protein
Tissue Location	Expression in skeletal muscle and retina (PubMed:10873387). Isoform 4 is

expressed in retina (PubMed:27226626)

Images



Western blot analysis of Cav1.4 expression in HL60 (A) whole cell lysates. (Predicted band size: 220 kD; Observed band size: 217 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.