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anti-CACNA1S antibody (AA 951-1001) (Biotin)



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Quantity:	100 μL	
Target:	CACNA1S	
Binding Specificity:	AA 951-1001	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This CACNA1S antibody is conjugated to Biotin	
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))	

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CACNA1S	
Isotype:	IgG	
Cross-Reactivity:	Human, Mouse, Rat	
Purification:	Purified by Protein A.	

Target Details

Target:	CACNA1S	
Alternative Name:	CACNA1S (CACNA1S Products)	
Background:	Synonyms: Voltage-dependent L-type calcium channel subunit alpha-1S, Calcium channel, L	
	type, alpha-1 polypeptide, isoform 3, skeletal muscle, Voltage-gated calcium channel subunit	

alpha Cav1.1, CACNA1S, CACH1, CACN1, CACNL1A3

Background: 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-1S 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, benzothiazepines, and by omega-agatoxin-IIIA (omega-Aga-IIIA). They are however insensitive to omega-conotoxin-GVIA (omega-CTx-GVIA) and omega-agatoxin-IVA (omega-Aga-IVA). Calcium channels containing the alpha-1S subunit play an important role in excitation-contraction coupling in skeletal muscle.

Gene ID: 779

UniProt: Q13698

Pathways: Skeletal Muscle Fiber Development

Application Details

Application Notes: IHC-P 1:200-400

Restrictions: For Research Use only

Handling

 Format:
 Liquid

 Concentration:
 1 μg/μL

 Buffer:
 Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

 Preservative:
 ProClin

 Precaution of Use:
 This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months