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Datasheet for ABIN7175611
anti-CACNA1A antibody (AA 1838-2136) (HRP)

Overview

Quantity:	100 µL
Target:	CACNA1A
Binding Specificity:	AA 1838-2136
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNA1A antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Voltage-dependent P/Q-type calcium channel subunit alpha-1A protein (1838-2136AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	CACNA1A
Alternative Name:	CACNA1A (CACNA1A Products)
Background:	Background: Voltage-sensitive calcium channels (VSCC) mediate the entry of calcium ions into

Target Details

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-1A gives rise to P and/or Q-type calcium currents. P/Q-type calcium channels belong to the 'high-voltage activated' (HVA) group and are blocked by the funnel toxin (Ftx) and by the omega-agatoxin-IVA (omega-Aga-IVA). They are however insensitive to dihydropyridines (DHP), and omega-conotoxin-GVIA (omega-CTx-GVIA).
Aliases: CACNA1A antibody, CACH4 antibody, CACN3 antibody, CACNL1A4 antibody, Voltage-dependent P/Q-type calcium channel subunit alpha-1A antibody, Brain calcium channel I antibody, BI antibody, Calcium channel antibody, L type antibody, alpha-1 polypeptide isoform 4 antibody, Voltage-gated calcium channel subunit alpha Cav2.1 antibody

UniProt: [O00555](#)

Pathways: [Regulation of Hormone Metabolic Process](#), [Regulation of Hormone Biosynthetic Process](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

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,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.