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Datasheet for ABIN306878 anti-CACNA1A antibody

Image



Overview

Quantity:	100 µg
Target:	CACNA1A
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNA1A antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Isotype:	lgG
Target Details	
Target:	CACNA1A
Alternative Name:	a1ACalcium Channel (CACNA1A Products)
Background:	Voltage-sensitive calcium channels (VSCCs) 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-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). voltage-
	dependent calcium channels are multisubunit complexes, consisting of alpha-1, alpha-2, beta

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Target Details

	and delta subunits in a 1:1:1:1 ratio. The channel activity is directed by the pore-forming and voltage-sensitive alpha-1 subunit. In many cases, this subunit is sufficient to generate voltage-sensitive calcium channel activity. The auxiliary subunits beta and alpha-2/delta linked by a disulfide bridge regulate the channel activity. Synonyms: Voltage-gated calcium channel subunit alpha Cav2.1,Calcium channel, L type, alpha-1 polypeptide, isoform 4, Brain calcium channel I.
UniProt:	P54282
Pathways:	Regulation of Hormone Metabolic Process, Regulation of Hormone Biosynthetic Process
Application Details	
Application Notes:	This antibody can be used for Western blotting (5-10 ug/ml). Positive Control: Rat brain lysate.
Restrictions:	For Research Use only
Handling	
Concentration:	1 mg/ml
Storage:	-20 °C

Images

