Datasheet for ABIN350143

anti-CACNA1F antibody

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Overview

Quantity:	500 µg
Target:	CACNA1F
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNA1F antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthetic peptide from human CACNA1F conjugated to blue carrier protein was used as the antigen.
Isotype:	IgG
Specificity:	Specific for CACNA1F.
Cross-Reactivity:	Human
Cross-Reactivity (Details):	Other species not yet tested.
Purification:	IgG

Target Details

Target:	CACNA1F
Alternative Name:	CACNA1F (CACNA1F Products)

Target Details

Background:	Function: 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, 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). Subcellular location: Membrane, Multi-pass membrane protein.,Alpha Subunit,Voltage-gated calcium channel subunit alpha Cav1.4, Voltage-dependent L-type calcium channel subunit alpha-1F
UniProt:	O60840

Application Details

Application Notes:	IHC, WB. A concentration of 10-50 µg,ml is recommended. The optimal concentration should be determined by the end user. Not tested in other applications.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute in 500 µL of sterile water. Centrifuge to remove any insoluble material.
Handling Advice:	Avoid freeze and thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting, glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.
Expiry Date:	12 months