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Datasheet for ABIN350153 **anti-CACNA2D3 antibody**

Overview

Quantity:	500 µg
Target:	CACNA2D3
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNA2D3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthetic peptide from rat CACNA2D3 conjugated to blue carrier protein was used as the antigen. The antigen is homologous in mouse.
Isotype:	IgG
Specificity:	Specific for CACNA2D3.
Cross-Reactivity:	Mouse, Rat
Cross-Reactivity (Details):	Other species not yet tested.
Purification:	IgG

Target Details

Target:	CACNA2D3
Alternative Name:	CACNA2D3 (CACNA2D3 Products)

Target Details

Background:	FUNCTION: The alpha-2/delta subunit of voltage-dependent calcium channels regulates calcium current density and activation/inactivation kinetics of the calcium channel. Acts as a regulatory subunit for P/Q-type calcium channel (CACNA1A), N-type (CACNA1B), L-type (CACNA1C OR CACNA1D) but not T-type (CACNA1G). Subcellular location: Membrane, Single-pass type I membrane protein Miscellaneous: In contrast to CACNA2D1 and CACNA2D2, it does not bind gabapentin, an antiepileptic drug.,Alpha-2/delta Subunit,Voltage-dependent calcium channel subunit alpha-2/delta-3, Voltage-gated calcium channel subunit alpha-2/delta-3
UniProt:	Q9Z1L5

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 yet 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