Datasheet for ABIN2788223

anti-CACNA2D4 antibody (C-Term)

2 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	CACNA2D4
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Guinea Pig, Horse, Rabbit, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNA2D4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human CACNA2D4
Sequence:	MAFLGTRAGL LRSSLFVGSE KVSDRKFLTP EDEASVFTLD RFPLWYRQAS
Predicted Reactivity:	Cow: 85%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 93%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against CACNA2D4. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	CACNA2D4
Alternative Name:	CACNA2D4 (CACNA2D4 Products)

Target Details

Background:	This gene encodes a member of the alpha-2/delta subunit family, a protein in the voltage-dependent calcium channel complex. Calcium channels mediate the influx of calcium ions into the cell upon membrane polarization and consist of a complex of alpha-1, alpha-2/delta, beta, and gamma subunits in a 1:1:1:1 ratio. Various versions of each of these subunits exist, either expressed from similar genes or the result of alternative splicing. Research on a highly similar protein in rabbit suggests the protein described in this record is cleaved into alpha-2 and delta subunits. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. Alias Symbols: RCD4 Protein Size: 1137
Molecular Weight:	128 kDa
Gene ID:	93589
NCBI Accession:	NM_172364, NP_758952
UniProt:	Q7Z3S7

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 1137 AA
Restrictions:	For Research Use only

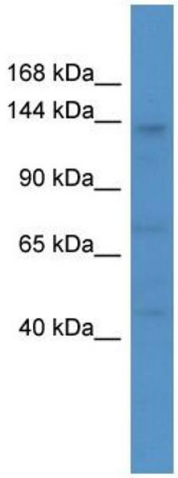
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Handling

Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



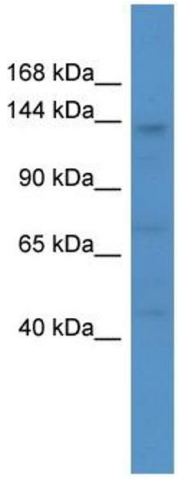
Western Blotting

Image 1. WB Suggested Anti-CACNA2D4 Antibody

Titration: 0.2-1 ug/ml

ELISA Titer: 1:62500

Positive Control: 293T cell lysate



Rabbit Anti-CACNA2D4 Antibody
Catalog Number: ARP59811
Lot Number: QC30744
Lane: 293T Cell Lysate

Antibody Titration: 1.0µg/ml
Gel Concentration: 6-18%

Western Blotting

Image 2. WB Suggested Anti-CACNA2D4

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:.2500

Positive Control:.93T cell lysate