

Datasheet for ABIN190770

anti-CACNA2D1 antibody (Internal Region)

1 Image

1 Publication



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CACNA2D1
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This CACNA2D1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	CACNA2D1
Immunogen:	Peptide with sequence C-QEIFNKYNKDKKVR, from the internal region of the protein sequence according to NP_000713.2.
Sequence:	QEIFNKYNKD KKVR
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	CACNA2D1
Alternative Name:	CACNA2D1 (CACNA2D1 Products)
Background:	CACNA2D1, calcium channel, voltage-dependent, alpha 2/delta subunit 1, CACNA2, CACNL2A, CCHL2A, MHS3, H_DJ0560014.1, WUGSC:H_DJ0560014.1, calcium channel, L type, alpha 2 polypeptide, dihydropyridine-sensitive L-type, calcium channel alpha-2/delta subunit
Gene ID:	781, 12293, 25399
NCBI Accession:	NP_000713

Application Details

Application Notes:	Western Blot: Approx 140 kDa band observed in Human Brain (Cerebellum) lysates (calculated MW of 123 kDa according to NP_000713.2). Recommended concentration: 0.03-0.1 µg/mL. Customer found it not suitable on Mouse and Rat protein. Peptide ELISA: antibody detection limit dilution 1:16000.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
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:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Publications

Product cited in:	Neely, Hess, Costigan, Keene, Goulas, Langeslag, Griffin, Belfer, Dai, Smith, Diatchenko, Gupta,
-------------------	--

Publications

Xia, Amann, Kreitz, Heindl-Erdmann, Wolz, Ly, Arora, Sarangi, Dan, Novatchkova, Rosenzweig, Gibson et al.: "A genome-wide Drosophila screen for heat nociception identifies $\alpha 2\delta 3$ as an evolutionarily conserved pain gene. ..." in: **Cell**, Vol. 143, Issue 4, pp. 628-38, (2010) ([PubMed](#)).

Images



Image 1. ABIN190770 (0.03 μ g/ml) staining of Human Brain (Cerebellum) lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.