

Product Datasheet

CACNA2D1 Antibody NB100-60951

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NB100-60951

CACNA2D1 Antibody

Product Information

Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Target Molecular Weight	125 kDa

Product Description

Host	Goat
Gene ID	781
Gene Symbol	CACNA2D1
Species	Human
Immunogen	Peptide with sequence C-QEIFNKYNKDKKVR corresponding to internal region according to NP_000713.2.

Product Application Details

Applications	Western Blot, Peptide ELISA
Recommended Dilutions	Western Blot 0.03 - 0.1 ug/ml, Peptide ELISA Detection limit 1:16000
Application Notes	WB: Approx. 140 kDa band observed in human brain (cerebellum) lysates (calculated MW of 123 kDa band according to NP_000713.2). An anonymous customer has reported it not suitable on mouse and rat protein.

Images

Western Blot: CACNA2D1 Antibody [NB100-60951] - Staining of Human Brain (Cerebellum) lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**Publications**

Hullin R, Matthes J, von Vietinghoff S et al. Increased Expression of the Auxiliary beta(2)-subunit of Ventricular L-type Ca Channels Leads to Single-Channel Activity Characteristic of Heart Failure. PLoS ONE 2007-03-14 [PMID: 17356701]

Neely GG et al. A genome-wide Drosophila screen for heat nociception identifies a2d3 as an evolutionarily conserved pain gene. Cell;143(4):628-38. 2010-11-12 [PMID: 21074052]



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Products Related to NB100-60951

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
NBP1-86682PEP	CACNA2D1 Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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