

Datasheet for ABIN7226497
anti-CACNA1D antibody



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2 Images

Overview

Quantity:	200 µL
Target:	CACNA1D
Reactivity:	Rat, Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNA1D antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Cav1.3 Polyclonal Antibody
Immunogen:	Synthetic Peptide
Isotype:	IgG
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using specific immunogen

Target Details

Target:	CACNA1D
Alternative Name:	Cav1.3 (CACNA1D Products)
Background:	Rabbit Anti-Cav1.3 Polyclonal Antibody, Voltage-dependent calcium channels 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, and gene

Target Details

expression. Calcium channels are multisubunit complexes composed of alpha-1, beta, alpha-2/delta, and gamma subunits. The channel activity is directed by the pore-forming alpha-1 subunit, whereas the others act as auxiliary subunits regulating this activity. The distinctive properties of the calcium channel types are related primarily to the expression of a variety of alpha-1 isoforms, namely alpha-1A, B, C, D, E, and S. CACNA1D (calcium voltage-gated channel subunit alpha1 D) encodes the alpha-1D subunit. Several transcript variants encoding different isoforms have been found for CACNA1D.,Cav1.3

Molecular Weight: observed band 245kDa

Gene ID: 776

UniProt: [Q01668](#)

Pathways: [Sensory Perception of Sound](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: IHC-P (1:100-1:200).

Comment: Primary Antibody

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: PBS containing 50 % Glycerol, 0.5 % BSA and 0.02 % Sodium Azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded Mouse Brain Tissue using Cav1.3Rabbit pAb diluted at 1:200.



Immunohistochemistry

Image 2. Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using Cav1.3Rabbit pAb diluted at 1:200.