

Datasheet for ABIN604999
anti-CACNA1D antibody (AA 859-875)



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2 Images

Overview

Quantity:	50 µg
Target:	CACNA1D
Binding Specificity:	AA 859-875
Reactivity:	Rat, Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CACNA1D antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Immunoprecipitation (IP), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Fusion protein amino acids 859-875 of rat Cav1.3, accession number P27732. Type of Immunogen: Fusion protein
Clone:	S48A-9
Isotype:	IgG2a
Specificity:	Detects ~250 kD protein. No cross-reactivity against Cav1.2.
Purification:	Protein G purified from tissue culture supernatant

Target Details

Target:	CACNA1D
Alternative Name:	CACNA1D / Cav1.3 (CACNA1D Products)
Background:	Name/Gene ID: CACNA1D Subfamily: Calcium channel - alpha subunit Cav1 Family: Ion Channel Synonyms: CACNA1D, Alpha 1d, CACH3, CCHL1A2, D-LTCCs, CACN4, CACNL1A2, Cav1.3, SANDD
Gene ID:	776
UniProt:	Q01668
Pathways:	Sensory Perception of Sound

Application Details

Application Notes:	Approved: ICC (0.1 - 1 µg/mL), IHC, IHC-P (10 µg/mL), IP (1 - 10 µg/mL), WB (1 - 10 µg/mL) Usage: Western Blot: Use the lysate in SDS buffer but without boiling, incubating for 20 mins at 37 °C instead. Tested in Western blot using rat brain lysates. The antibody was also tested in Western blot using a cell extract from a combination of T98G, PC3, MCF7, Jurkat, HUVEC, HL-60, HepG2, HEK293, HeLa, HCT116, A49 and A431 cells.
Comment:	Target Species of Antibody: Rat
Restrictions:	For Research Use only

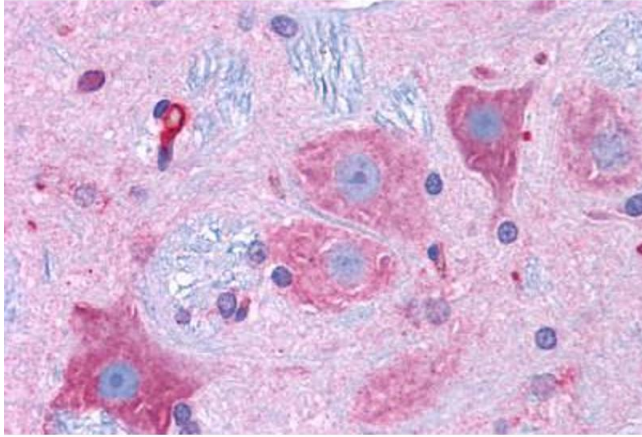
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, pH 7.4, 50 % glycerol, 0.09 % sodium azide. Sourced in Ascites.
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

Handling

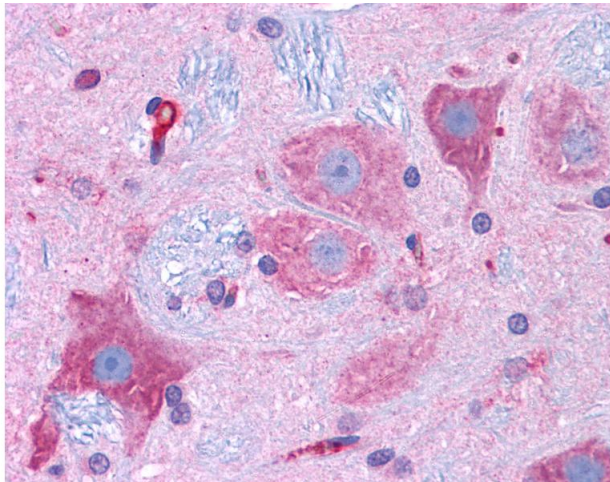
Storage Comment: Store at -20°C.

Images



Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)

Image 1. Rat Brain: Formalin-Fixed, Paraffin-Embedded (FFPE)



Immunohistochemistry

Image 2. Anti-CACNA1D / Cav1.3 antibody IHC of rat brain. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml. This image was taken for the unconjugated form of this product. ...