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Datasheet for ABIN7175577

anti-CACNA2D1 antibody (AA 577-717)

2 Images

Overview

Quantity:	100 µg
Target:	CACNA2D1
Binding Specificity:	AA 577-717
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNA2D1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Voltage-dependent calcium channel subunit alpha-2/delta-1 protein (577-717AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	CACNA2D1
Alternative Name:	CACNA2D1 (CACNA2D1 Products)
Background:	Background: The alpha-2/delta subunit of voltage-dependent calcium channels regulates

Target Details

calcium current density and activation/inactivation kinetics of the calcium channel. Plays an important role in excitation-contraction coupling.

Aliases: CA2D1_HUMAN antibody, CACN A2 antibody, CACNA2 antibody, Cacna2d1 antibody, CACNL2A antibody, Calcium channel L type alpha 2 polypeptide antibody, Calcium channel voltage dependent alpha 2/delta subunit 1 antibody, CCHL2A antibody, Dihydropyridine receptor alpha 2 subunit antibody, Dihydropyridine sensitive L type calcium channel alpha 2/delta subunit antibody, Dihydropyridine sensitive L type calcium channel subunits alpha 2/delta antibody, L type calcium channel subunit alpha 2 antibody, MHS 3 antibody, MHS3 antibody, Voltage dependent calcium channel subunit alpha 2/delta 1 antibody, Voltage gated calcium channel subunit alpha 2/delta 1 antibody, Voltage-dependent calcium channel subunit delta-1 antibody, Voltage-gated calcium channel subunit alpha-2/delta-1 antibody

UniProt: [P54289](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200, IF:1:50-1:500,

Restrictions: For Research Use only

Handling

Format: Liquid

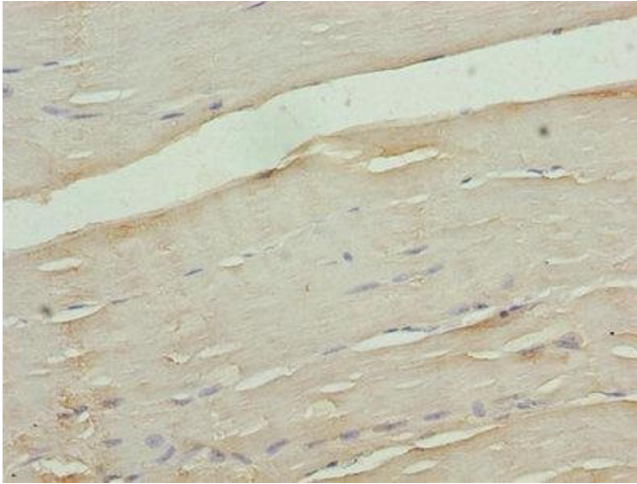
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

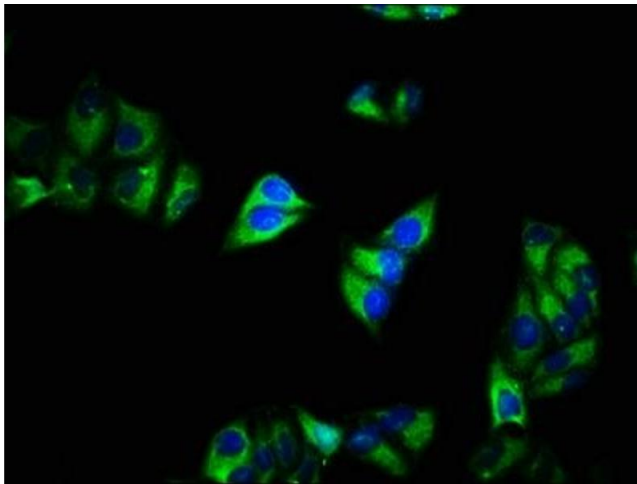
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human skeletal muscle tissue using ABIN7175577 at dilution of 1:100



Immunofluorescence

Image 2. Immunofluorescence staining of HeLa cells with ABIN7175577 at 1:200, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).