

Datasheet for ABIN1098196

anti-Cav3.1 Ca²⁺ Channel (AA 2052-2172), (C-Term) antibody[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Cav3.1 Ca ²⁺ Channel
Binding Specificity:	AA 2052-2172, C-Term
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	Un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Immunofluorescence (fixed cells) (IF/ICC)

Product Details

Purpose:	Anti-Cav3.1 Ca ²⁺ Channel Mouse Monoclonal Antibody
Immunogen:	Fusion protein corresponding to aa 2052-2172 (cytoplasmic C-terminus) of mouse Cav3.1 (accession no. NP_001106284.1).
Clone:	S178A-9
Isotype:	IgG1
Specificity:	This antibody recognizes human, mouse, and rat Cav3.1. It does not cross-react with Cav3.2.
Cross-Reactivity:	Human, Mouse, Rat
Cross-Reactivity (Details):	No cross Reactivity with Cav3.2
Purification:	Purified by Protein G affinity chromatography.

Target Details

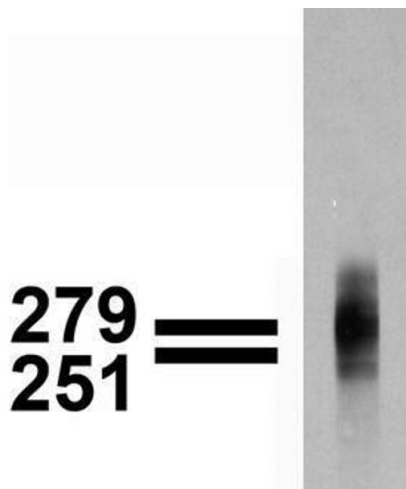
Target:	Cav3.1 Ca ²⁺ Channel
Alternative Name:	Cav3.1 Ca ²⁺ Channel
Background:	<p>Voltage-dependent T-type calcium channel subunit α, ion channels are integral membrane proteins that help establish and control the small voltage gradient across the plasma membrane of living cells by allowing the flow of ions down their electrochemical gradient. Cav3.1 is a low-voltage- activated T-type calcium channel expressed throughout the body. Drugs that block T-type calcium channels are used as antihypertensives and antiepileptics and possibly in some anesthetics and antipsychotics.</p>
NCBI Accession:	NP_001106284
UniProt:	Q9WUT2

Application Details

Application Notes:	<p>Immunoblotting: use at 1-2 μg/mL. A band of >200 kDa is detected.</p> <p>Immunohistochemistry: use at 1-10 μg/mL.</p> <p>These are recommended concentrations. User should determine optimal concentrations for their application.</p> <p>Positive control: Rat brain membranes.</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Reconstitution:	Dilute in PBS or medium which is identical to that used in the assay system.
Concentration:	Lot specific
Buffer:	PBS, pH 7.4, 50 % glycerol, 0.09 % 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:	This antibody is stable for at least one (1) year at -20°C.



Western Blotting

Image 1. Immunoblotting: use at 1-2ug/ml. A band of >200kDa is detected.