

AB-NN227-1

Cav3.1 Antibody

Pan-specific monoclonal antibody (S178A-9) for monitoring the expression of mouse Cav3.1



KINEXUS

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Target Protein

Name Long:	Voltage-dependent T-type calcium channel subunit alpha-1G (Cav3.1)
Alias:	CACNA1G, CaV T1, Cav3 1, cav3 1c, KIAA1123, MGC117234, NBR13, voltage gated calcium channel cav3.1, calcium channel voltage dependent alpha 1G subunit, calcium channel voltage dependent T type alpha 1G subunit, calcium channel voltage dependent T type alpha1G subunit, voltage dependent calcium channel alpha 1G subunit isoform 11, voltage dependent T type calcium channel subunit alpha 1G, Voltage gated calcium channel subunit alpha Cav3 1
UniProt ID:	Q9WUT2 - Mouse
Human Predicted Mass (KDa):	253.467 (2291 AA; O43497-21); 252.664 (2284 AA; O43497-11); 251.896 (2277 AA; O43497-17)
Observed SDS-PAGE Mass (KDa):	<200

Immunogen

Antibody Immunogen Source:	Fusion protein amino acids 2052-2172 (cytoplasmic C-terminus) of mouse Cav3.1
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	73 IgG1
Antibody Purification:	Protein G purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline, pH 7.4, 50% glycerol, 0.09% sodium azide
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB IHC
Antibody Dilution Recommended:	WB (1:1000); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human Mouse Rat
Antibody Positive Control:	1 µg/ml of SMC-405 was sufficient for detection of Cav3.1 in 20 µg of rat brain membrane lysate and assayed by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	Detects a <200 kDa protein.
Antibody Cross Reactivities:	Does not cross-react with Cav3.2.

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-888-546-3987