

DATASHEET

CACNA2D2 Rabbit Polyclonal Antibody

CAT. NO. APA13883

KEY FEATURES

Target	CACNA2D2	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

The alpha-2/delta subunit of voltage-dependent calcium channels regulates calcium current density and activation/inactivation kinetics of the calcium channel. Acts as a regulatory subunit for P/Q-type calcium channel (CACNA1A), N-type (CACNA1B), L-type (CACNA1C OR CACNA1D) and possibly T-type (CACNA1G), N-type (CACNA1B), L-type (CACNA1C OR CACNA1D) and possibly T-type (CACNA1G). Overexpression induces apoptosis.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

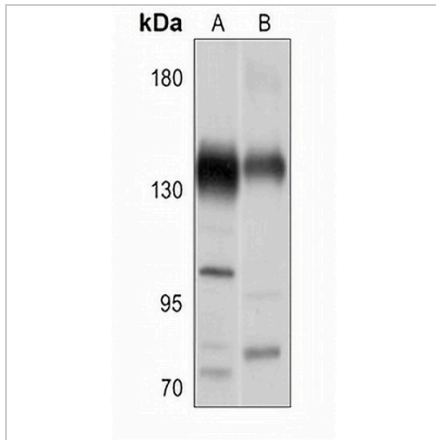
Description	Rabbit polyclonal antibody to CACNA2D2
Specificity	Recognizes endogenous levels of CACNA2D2 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human CACNA2D2
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 122; Observed: 140 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	KIAA0558; Voltage-dependent calcium channel subunit alpha-2/delta-2; Voltage-gated calcium channel subunit alpha-2/delta-2
Gene Symbol	CACNA2D2
Entrez Gene	9254(Human); 56808(Mouse); 300992(Rat)
SwissProt	Q9NY47(Human); Q6PH59(Mouse); Q8CFG6(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of CACNA2D2 expression in mouse brain (A), rat heart (B) whole cell lysates. (Predicted band size: 122; 129; 130 kD; Observed band size: 140 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.