

Datasheet for ABIN651895
anti-CACNA2D4 antibody (N-Term)

2 Images

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Overview

Quantity:	400 µL
Target:	CACNA2D4
Binding Specificity:	AA 89-118, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNA2D4 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This CACNA2D4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 89-118 amino acids from the N-terminal region of human CACNA2D4.
Clone:	RB26709
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	CACNA2D4
Alternative Name:	CACNA2D4 (CACNA2D4 Products)

Target Details

Background: CACNA2D4 is a member of the alpha-2/delta subunit family, a protein in the voltage-dependent calcium channel complex. Calcium channels mediate the influx of calcium ions into the cell upon membrane polarization and consist of a complex of alpha-1, alpha-2/delta, beta, and gamma subunits in a 1:1:1:1 ratio. Various versions of each of these subunits exist, either expressed from similar genes or the result of alternative splicing. Research on a highly similar protein in rabbit suggests the protein described in this record is cleaved into alpha-2 and delta subunits. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized.

Molecular Weight: 127938

Gene ID: 93589

NCBI Accession: [NP_758952](#)

UniProt: [Q7Z3S7](#)

Application Details

Application Notes: WB: 1:1000. FC: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

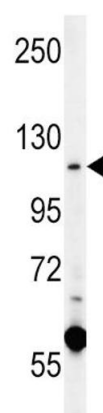
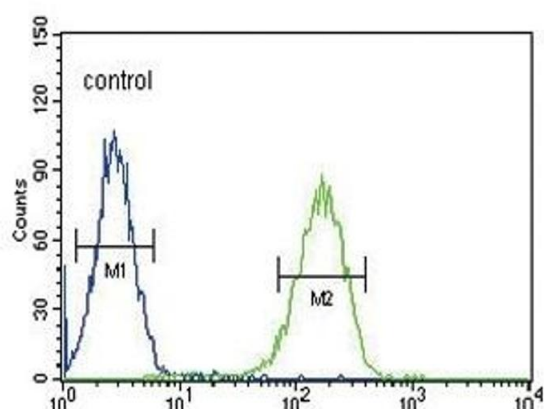
Preservative: Sodium azide

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

Storage: 4 °C,-20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Flow Cytometry

Image 1. CACNA2D4 Antibody (N-term) (ABIN651895 and ABIN2840441) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. CACNA2D4 Antibody (N-term) (ABIN651895 and ABIN2840441) western blot analysis in K562 cell line lysates (15 µg/lane). This demonstrates the CACNA2D4 antibody detected the CACNA2D4 protein (arrow).