

Datasheet for ABIN453548
anti-CACNA2D1 antibody (N-Term)

2 Images

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Overview

| | |
|----------------------|---|
| Quantity: | 0.4 mL |
| Target: | CACNA2D1 |
| Binding Specificity: | N-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This CACNA2D1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Enzyme Immunoassay (EIA) |

Product Details

| | |
|---------------|--|
| Immunogen: | KLH conjugated synthetic peptide selected from the N-terminal region of human CACNA2D1 |
| Specificity: | This antibody CACNA2D1 (N-term). |
| Purification: | Affinity chromatography on Protein A |

Target Details

| | |
|-------------------|---|
| Target: | CACNA2D1 |
| Alternative Name: | CACNA2D1 (CACNA2D1 Products) |
| Background: | CACNA2D1 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. Research on a highly similar protein in rabbit suggests the |

Target Details

protein described in this record is cleaved into alpha-2 and delta subunits.Synonyms: CACNL2A, CCHL2A, MHS3, Voltage-dependent calcium channel subunit alpha-2/delta-1

Gene ID: 781

NCBI Accession: [NP_000713](#)

UniProt: [P54289](#)

Application Details

Application Notes: ELISA: 1/1,000. Western blotting: 1/100 - 1/500.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS with 0.09 % (W/V) Sodium Azide as preservative

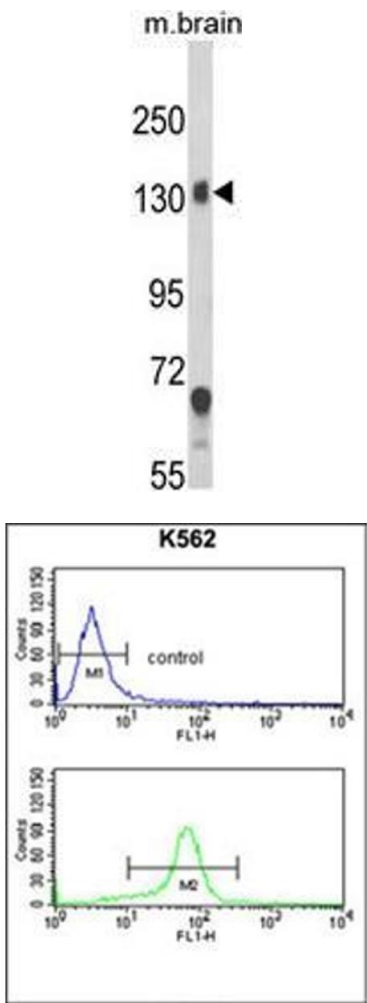
Preservative: Sodium azide

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

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of CACNA2D1 Antibody (N-term) in mouse brain tissue lysates (35ug/lane). CACNA2D1 (arrow) was detected using the purified Pab.

Flow Cytometry

Image 2. AP17917PU-N CACNA2D1 Antibody (N-term) Flow Cytometry analysis of K562 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated Goat-anti-Rabbit secondary antibodies were used for the analysis.