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Datasheet for ABIN2789908

## anti-CACNA2D2 antibody (C-Term)

### 1 Image

#### Overview

Quantity:	100 µL
Target:	CACNA2D2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Pig, Dog, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNA2D2 antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of Human CACNA2D2
Sequence:	NCSRLFHAQR LTNTNLLFVV AEKPLCSQCE AGRLLQKETH SDGPEQCELV
Predicted Reactivity:	Cow: 76%, Dog: 93%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 81%, Rat: 81%
Characteristics:	This is a rabbit polyclonal antibody against CACNA2D2. It was validated on Western Blot.
Purification:	Affinity Purified

#### Target Details

Target:	CACNA2D2
Alternative Name:	CACNA2D2 ( <a href="#">CACNA2D2 Products</a> )

## Target Details

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**Background:** This gene encodes 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, encoding different isoforms, have been characterized.

Alias Symbols: CACNA2D, KIAA0558, LUAC11.1

Protein Interaction Partner: UBC,

Protein Size: 1143

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**Molecular Weight:** 129 kDa

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**Gene ID:** 9254

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**NCBI Accession:** [NM\\_006030](#), [NP\\_006021](#)

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**Pathways:** [Skeletal Muscle Fiber Development](#)

## Application Details

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**Application Notes:** Optimal working dilutions should be determined experimentally by the investigator.

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**Comment:** Antigen size: 1143 AA

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** Lot specific

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**Buffer:** Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

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**Preservative:** Sodium azide

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

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**Handling Advice:** Avoid repeated freeze-thaw cycles.

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**Storage:** -20 °C

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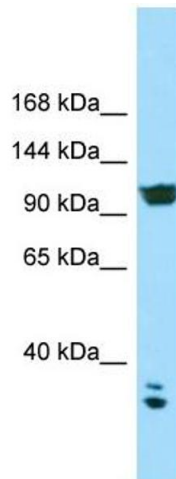
## Handling

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Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images

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### Western Blotting

**Image 1.** WB Suggested Anti-CACNA2D2 Antibody Titration:

1.0 ug/ml Positive Control: HCT15 Whole Cell