

Datasheet for ABIN2780200
anti-CACNG1 antibody (N-Term)

3 Images

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Overview

Quantity:	100 µL
Target:	CACNG1
Binding Specificity:	N-Term
Reactivity:	Mouse, Human, Rat, Rabbit, Guinea Pig, Dog, Cow, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNG1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human CACNG1
Sequence:	SKTCGPITLP GEKNCSYFRH FNPGESSEIF EFTTQKEYSI SAAAIAIFSL
Predicted Reactivity:	Cow: 93%, Dog: 86%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against CACNG1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	CACNG1
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Target Details

Alternative Name:	CACNG1 (CACNG1 Products)
Background:	<p>L-type calcium channels are composed of five subunits. The protein encoded by this gene represents one of these subunits, gamma, and is one of several gamma subunit proteins. This particular gamma subunit is part of skeletal muscle 1,4-dihydropyridine-sensitive calcium channels and is an integral membrane protein that plays a role in excitation-contraction coupling. This gene is a member of the neuronal calcium channel gamma subunit gene subfamily of the PMP-22/EMP/MP20 family and is located in a cluster with two similar gamma subunit-encoding genes.</p> <p>Alias Symbols: CACNLG</p> <p>Protein Interaction Partner: VAPA,</p> <p>Protein Size: 222</p>
Molecular Weight:	24 kDa
Gene ID:	786
NCBI Accession:	NM_000727 , NP_000718
UniProt:	Q06432

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 222 AA
Restrictions:	For Research Use only

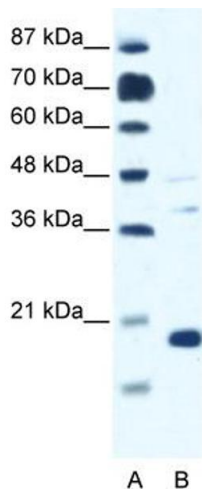
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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 freeze-thaw cycles.

Handling

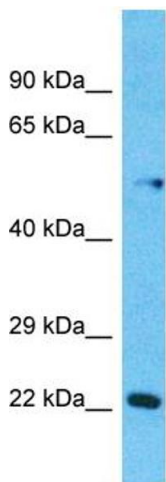
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

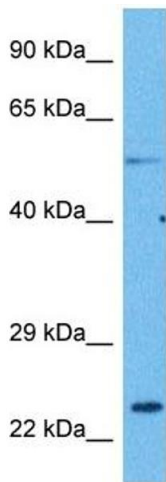
Image 1. WB Suggested Anti-CACNG1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Jurkat cell lysate



Host: Rabbit
Target Name: CACNG1
Sample Tissue: Fetal Liver Lysate
Antibody Dilution: 1.0µg/ml

Western Blotting

Image 2. Host: Rabbit Target Name: CACNG1 Sample Type: Fetal Liver lysates Antibody Dilution: 1.0ug/ml



Western Blotting

Image 3. Host: Rabbit Target Name: CACNG1 Sample Tissue: Human Lung Tumor Antibody Dilution: 1ug/ml