

Datasheet for ABIN2780212

anti-CACNG4 antibody (N-Term)[Go to Product page](#)**1** Image**1** Publication

Overview

Quantity:	100 µL
Target:	CACNG4
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Dog, Cow, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNG4 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 CACNG4
Sequence:	GPPRRRARGD LTHSGLWRVC CIEGIYKGHC FRINHPEDN DYDHDSSEYL
Predicted Reactivity:	Cow: 100%, Dog: 80%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against CACNG4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	CACNG4
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Target Details

Alternative Name: CACNG4 ([CACNG4 Products](#))

Background: L-type calcium channels are composed of five subunits. CACNG4 represents one of these subunits, gamma, and is one of several gamma subunit proteins. It is an integral membrane protein that is thought to stabilize the calcium channel in an inactive (closed) state. This gene is a member of the neuronal calcium channel gamma subunit gene subfamily of the PMP-22/EMP/MP20 family. 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. It is an integral membrane protein that is thought to stabilize the calcium channel in an inactive (closed) state. 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.

Protein Interaction Partner: SPP1,
Protein Size: 327

Molecular Weight: 36 kDa

Gene ID: 27092

NCBI Accession: [NM_014405](#), [NP_055220](#)

UniProt: [Q9UBN1](#)

Application Details

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

Comment: Antigen size: 327 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.

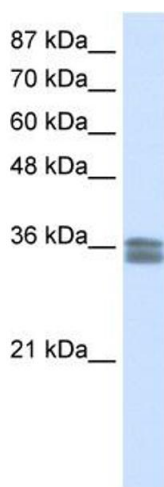
Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
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.

Publications

Product cited in:	<p>Lind, Svedin, Domsgen, Kapell, Laitinen, Moll, Flodström-Tullberg: "Coxsackievirus counters the host innate immune response by blocking type III interferon expression." in: The Journal of general virology, Vol. 97, Issue 6, pp. 1-12, (2016) (PubMed).</p> <p>Schulte, Liu, Panas, Thaa, Dickson, Götte, Achour, McInerney: "Combined structural, biochemical and cellular evidence demonstrates that both FGDF motifs in alphavirus nsP3 are required for efficient replication." in: Open biology, Vol. 6, Issue 7, (2016) (PubMed).</p>
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Images



Western Blotting

Image 1. WB Suggested Anti-CACNG4 Antibody Titration:
0.31ug/ml Positive Control: Jurkat cell lysate