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Datasheet for ABIN2776348

## anti-CACNA1G antibody (C-Term)

### 2 Images

#### Overview

Quantity:	100 µL
Target:	CACNA1G
Binding Specificity:	C-Term
Reactivity:	Mouse, Human, Rat, Cow, Dog, Horse, Guinea Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNA1G antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

#### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human CACNA1G
Sequence:	VSRTHSLPND SYMCRHGSTA EGPLGHRGWG LPKAQSGSVL SVHSQPADTS
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against CACNA1G. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

#### Target Details

Target:	CACNA1G
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## Target Details

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Alternative Name:	CACNA1G ( <a href="#">CACNA1G Products</a> )
Background:	<p>Voltage-activated calcium channels can be distinguished based on their voltage-dependence, deactivation, and single-channel conductance. See MIM 601011. Low-voltage-activated calcium channels are referred to as 'T' type because their currents are both tra</p> <p>Alias Symbols: Ca(V)T.1, Cav3.1, MGC117234, NBR13</p> <p>Protein Interaction Partner: RANBP9, UBQLN4,</p> <p>Protein Size: 2171</p>
Molecular Weight:	241 kDa
Gene ID:	8913
NCBI Accession:	<a href="#">NM_198388</a> , <a href="#">NP_938202</a>
UniProt:	<a href="#">O43497</a>

## Application Details

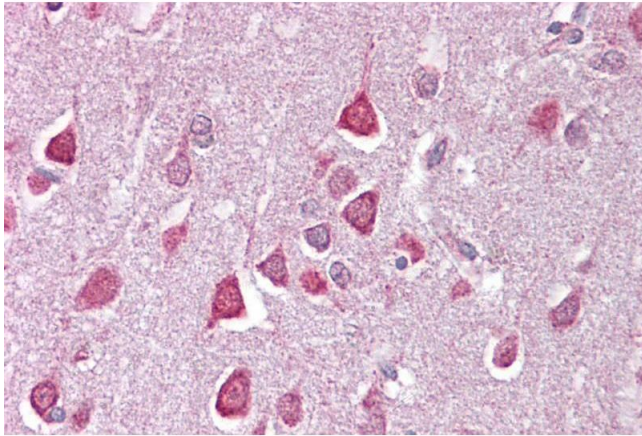
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Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 2171 AA
Restrictions:	For Research Use only

## Handling

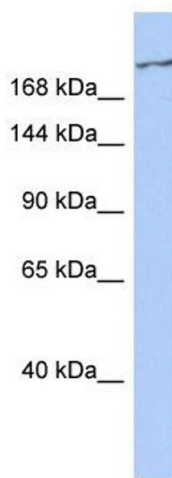
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Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
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.



### Immunohistochemistry

**Image 1.** Immunohistochemistry with Brain, cortex tissue at an antibody concentration of 2.5µg/ml using anti-CACNA1G antibody (ARP35566\_P050)



### Western Blotting

**Image 2.** WB Suggested Anti-CACNA1G Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human Spleen