



Datasheet for ABIN7042992
anti-CACNG4 antibody (C-Term, Intracellular)



[Go to Product page](#)

1 Image

Overview

Quantity:	25 µL
Target:	CACNG4
Binding Specificity:	AA 208-220, C-Term, Intracellular
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)EKNKELRFKTKRE, corresponding to amino acid residues 208-220 of rat CACNG4
Isotype:	IgG
Characteristics:	Anti-CACNG4 Antibody (ABIN7042992, ABIN7044059 and ABIN7044060)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot and immunocytochemistry applications. It has been designed to recognize CaVγ4 from rat, mouse, and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

Target:	CACNG4
---------	--------

Target Details

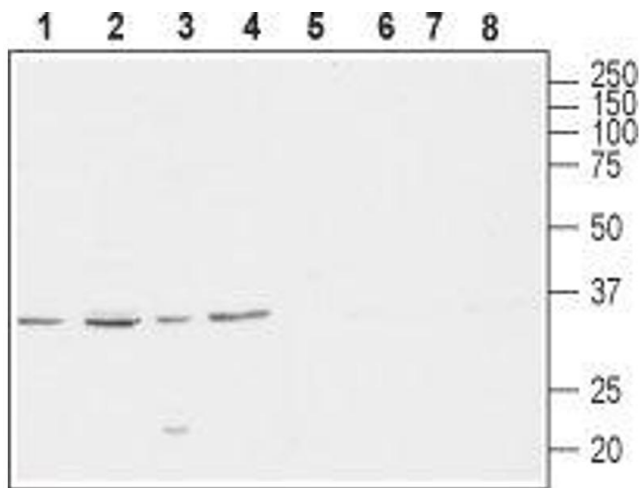
Alternative Name:	CACNG4 (CACNG4 Products)
Background:	Alternative names: CACNG4, CaVgamma4, Voltage-dependent calcium channel gamma-4 subunit, TARP gamma-4, Transmembrane AMPAR regulatory protein gamma-4
Gene ID:	140725
NCBI Accession:	NM_014405
UniProt:	Q8VHW9

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



Western Blotting

Image 1. Western blot analysis of rat brain (lanes 1 and 5), mouse brain (lanes 2 and 6), human SH-SY5Y brain neuroblastoma (lanes 3 and 7) and rat PC12 pheochromocytoma adrenal gland (lanes 4 and 8) lysates: - 1-4. Anti-CACNG4 Antibody (ABIN7042992, ABIN7044059 and ABIN7044060), (1:800).5-8. Anti-CACNG4 Antibody, preincubated with CACNG4 Blocking Peptide (#BLP-CC114).