

Datasheet for ABIN7042996

anti-CACNG8 antibody (Intracellular, N-Term)[Go to Product page](#)**2** Images

Overview

Quantity:	25 µL
Target:	CACNG8
Binding Specificity:	AA 2-17, Intracellular, N-Term
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNG8 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)ESLKRWNEERGLW(S)EK, corresponding to amino acid residues 2-17 of rat CACNG8
Isotype:	IgG
Characteristics:	Anti-CACNG8 Antibody is directed against an epitope of rat TARP gamma-8 (CaVγ8, CACNG8). Anti-CACNG8 Antibody (ABIN7042996, ABIN7044073 and ABIN7044074)) can be used in western blot and immunohistochemistry applications. It has been designed to recognize TARP gamma-8 from rat, mouse and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

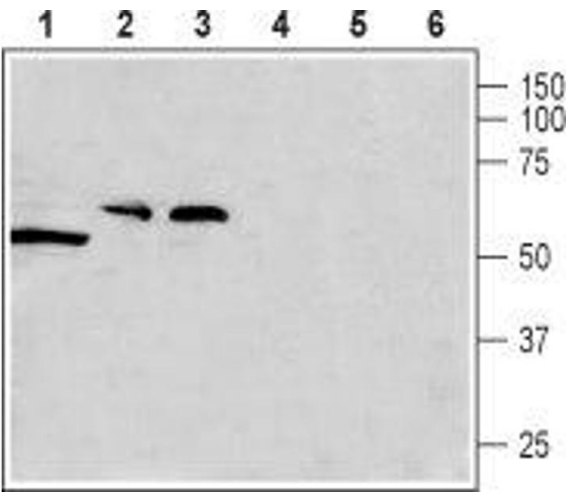
Target:	CACNG8
Alternative Name:	CACNG8 (CACNG8 Products)
Background:	Alternative names: CACNG8, CaVgamma8, Voltage-dependent calcium channel gamma-8 subunit, TARP gamma-8, Transmembrane AMPAR regulatory protein gamma-8
Gene ID:	140729
NCBI Accession:	NM_031895
UniProt:	Q8VHW5

Application Details

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

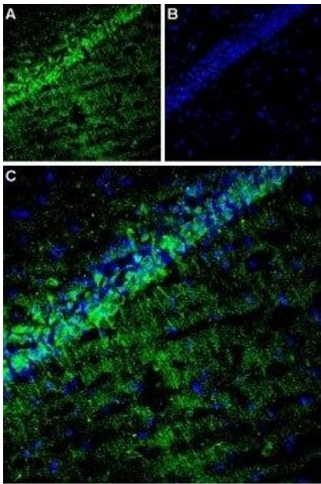
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.85 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 testis (lanes 1 and 4), rat brain (lanes 2 and 5) and mouse brain (lanes 3 and 6) lysates: - 1-3. Anti-CACNG8 Antibody (ABIN7042996, ABIN7044073 and ABIN7044074), (1:400).4-6. Anti-CACNG8 Antibody, preincubated with CACNG8 Blocking Peptide (#BLP-CC125).



Immunohistochemistry

Image 2. Expression of TARP γ 8 (CACNG8) in rat hippocampus - Immunohistochemical staining of rat hippocampus using Anti-CACNG8 Antibody (ABIN7042996, ABIN7044073 and ABIN7044074). A. TARP γ 8 staining (green) appears in neuronal soma (horizontal arrows) and in the neuronal processes (diagonal arrows). B. Nuclear staining using DAPI as the counterstain (blue). C. Merged image of A and B.