

Datasheet for ABIN7042994

anti-CACNG6 antibody (1st Extracellular Loop)

2 Images

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Overview

Quantity:	25 µL
Target:	CACNG6
Binding Specificity:	1st Extracellular Loop, AA 87-100
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNG6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: CIKRLWQADVPAQR, corresponding to amino acid residues 87-100 of rat CACNG6
Isotype:	IgG
Characteristics:	Anti-CACNG6 (extracellular) Antibody is directed against an epitope of rat CaVγ6. Anti-CACNG6 (extracellular) Antibody (ABIN7042994, ABIN7044055 and ABIN7044056)) can be used in western blot and immunohistochemistry. The antibody recognizes an extracellular epitope and is thus ideal for detecting CaVγ6 in living cells. It has been designed to recognize CaVγ6 from rat, mouse and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

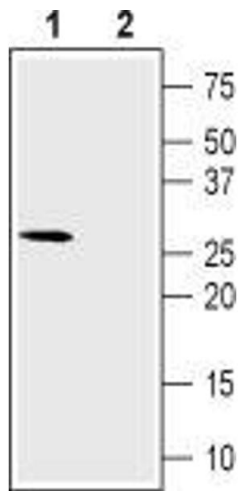
Target:	CACNG6
Alternative Name:	CACNG6 (CACNG6 Products)
Background:	Alternative names: CACNG6, CaVgamma6, Voltage-dependent calcium channel gamma-6 subunit
Gene ID:	54378
NCBI Accession:	NM_031897
UniProt:	Q8VHW3

Application Details

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

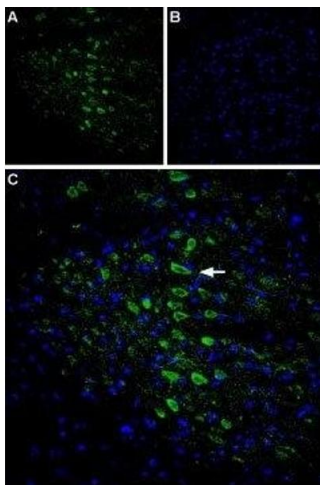
Handling

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:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. 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).



Western Blotting

Image 1. Western blot analysis of rat skeletal muscle lysate:
 - 1. Anti-CACNG6 (extracellular) Antibody (ABIN7042994, ABIN7044055 and ABIN7044056), (1:200). 2. Anti-CACNG6 (extracellular) Antibody, preincubated with CACNG6 (extracellular) Blocking Peptide (#BLP-CC112).



Immunohistochemistry

Image 2. Expression of CaVγ6 (CACNG6) in rat brain - Immunohistochemical staining of rat cingulate cortex using Anti-CACNG6 (extracellular) Antibody (ABIN7042994, ABIN7044055 and ABIN7044056), (1:400). A. CaVγ6 staining (green) appears in the pyramidal layer (arrow). B. Nuclear staining using DAPI as the counterstain. C. Merged images of A and B.