

Datasheet for ABIN7042993

anti-CACNG5 antibody (1st Extracellular Loop)**2** Images[Go to Product page](#)

Overview

Quantity:	25 µL
Target:	CACNG5
Binding Specificity:	1st Extracellular Loop, AA 87-99
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunofluorescence (IF), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)SESTVNVLMIRS, corresponding to amino acid residues 87-99 of rat CACNG5
Isotype:	IgG
Characteristics:	Anti-CACNG5 (extracellular) Antibody is directed against an extracellular epitope of rat CaVγ5. Anti-CACNG5 (extracellular) Antibody (ABIN7042993, ABIN7044061 and ABIN7044062)) can be used in western blot and live cell imaging experiments. It has been designed to recognize CaVγ5 from rat, mouse and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

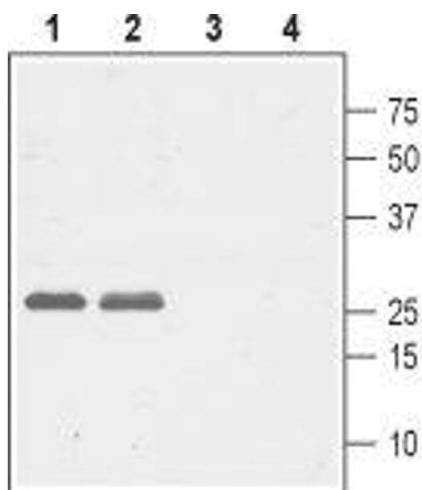
Target:	CACNG5
Alternative Name:	CACNG5 (CACNG5 Products)
Background:	Alternative names: CACNG5, CaVgamma5, Voltage-dependent calcium channel gamma-5 subunit, TARP gamma-5, Transmembrane AMPAR regulatory protein gamma-5
Gene ID:	140726
UniProt:	Q8VHW8

Application Details

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

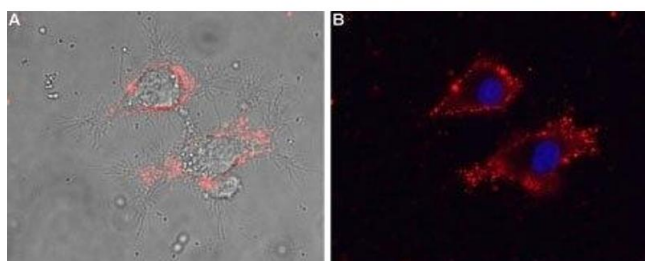
Handling

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 (lanes 1 and 3) and mouse (lanes 2 and 4) brain lysates: - 1,2. Anti-CACNG5 (extracellular) Antibody (ABIN7042993, ABIN7044061 and ABIN7044062), (1:1000).3,4. Anti-CACNG5 (extracellular) Antibody, preincubated with CACNG5 (extracellular) Blocking Peptide (#BLP-CC115).



Immunocytochemistry

Image 2. Expression of CaV γ 5 (CACNG5) in living rat PC12 cells - Cell surface detection of CaV γ 5 (CACNG5) in intact living rat PC12 cells using Anti-CACNG5 (extracellular) Antibody (ABIN7042993, ABIN7044061 and ABIN7044062), (1:25) followed by goat anti-rabbit-AlexaFluor-594 secondary antibody. A. Extracellular staining (red) merged with live view of the cells. B. Extracellular staining merged with nuclear staining using DAPI as the counterstain (blue).