

Datasheet for ABIN7043541

anti-KCNG1 antibody (2nd Extracellular Loop)**2** Images[Go to Product page](#)

Overview

Quantity:	50 µL
Target:	KCNG1
Binding Specificity:	2nd Extracellular Loop, AA 325-337
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNG1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)RRKPSTGNSYLDK, corresponding to amino acid residues 325-337 of mouse KV6.1
Isotype:	IgG
Characteristics:	Anti-KCNG1 (Kv6.1) (extracellular) Antibody is directed against an extracellular epitope of the mouse KV6.1 channel. Anti-KCNG1 (KV6.1) (extracellular) Antibody (ABIN7043541 and ABIN7045038)) can be used in western blot and immunohistochemistry applications. It is specially suited for live cell imaging. It has been designed to recognize KV6.1 from rat, mouse and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

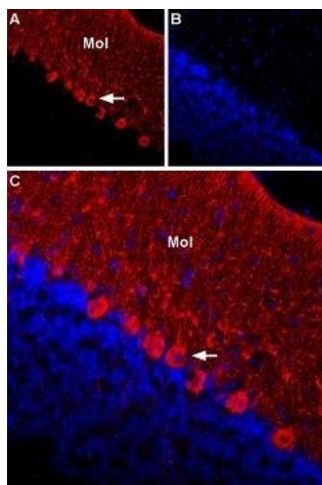
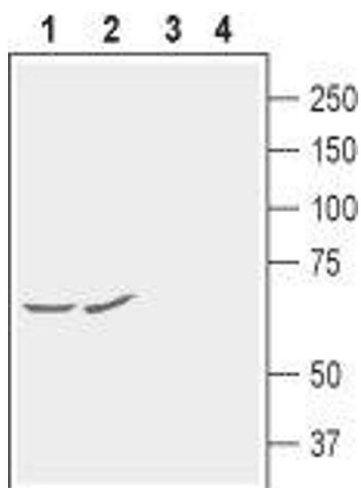
Target:	KCNG1
Alternative Name:	KCNG1 (KV6.1) (KCNG1 Products)
Background:	Alternative names: KCNG1 (KV6.1), Potassium voltage-gated channel subfamily G member 1
Gene ID:	241794
NCBI Accession:	NM_002237
UniProt:	A2BDX4

Application Details

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

Handling

Format:	Lyophilized
Reconstitution:	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 membranes: - 1,2. Anti-KCNG1 (KV6.1) (extracellular) Antibody (ABIN7043541 and ABIN7045038), (1:400).3,4. Anti-KCNG1 (KV6.1) (extracellular) Antibody, preincubated with KCNG1/Kv6.1 (extracellular) Blocking Peptide (#BLP-PC135).

Immunohistochemistry

Image 2. Expression of KV6.1 potassium channel in rat cerebellum - Immunohistochemical staining of immersion-fixed, free floating rat brain frozen sections using Anti-KCNG1 (KV6.1) (extracellular) Antibody (ABIN7043541 and ABIN7045038), (1:200). A. KV6.1 is detected in rat cerebellum (red). Staining is apparent in Purkinje neurons (arrow) and in the molecular layer (Mol). B. Cell nuclei in the same section are stained with DAPI (blue). C. Merge of the two images.