

Datasheet for ABIN7043090
anti-CNGA2 antibody (C-Term, Intracellular)[Go to Product page](#)

4 Images

Overview

Quantity:	50 µL
Target:	CNGA2
Binding Specificity:	AA 643-660, C-Term, Intracellular
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)KQNHEDDYLSDGINTPEP, corresponding to amino acid residues 643-660 of rat CNGA2.
Isotype:	IgG
Characteristics:	Anti-CNGA2 Antibody is directed against an intracellular epitope of the rat CNGA2 channel. Anti-CNGA2 Antibody (ABIN7043090, ABIN7044955 and ABIN7044956)) can be used in western blot, immunohistochemistry, and immunocytochemistry applications. It has been designed to recognize CNGA2 from human, rat, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

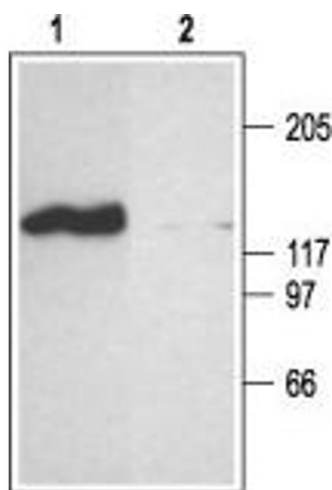
Target:	CNGA2
Alternative Name:	CNGA2 (CNGA2 Products)
Background:	Alternative names: CNGA2, Cyclic nucleotide-gated cation channel 2, CNG channel alpha-2, CNG2, CNCG2, Olfactory cyclic nucleotide gated channel 1, OCNC1
Gene ID:	25411
NCBI Accession:	NM_005140
UniProt:	Q00195

Application Details

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

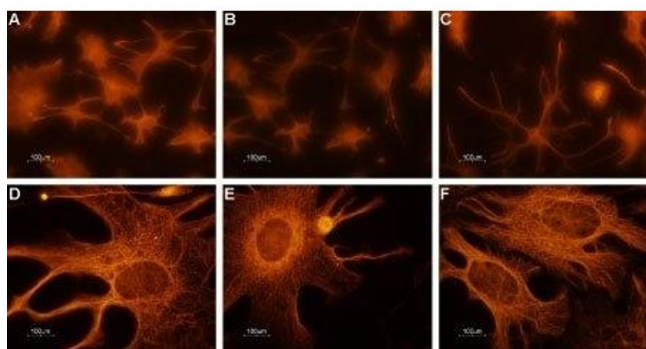
Handling

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>



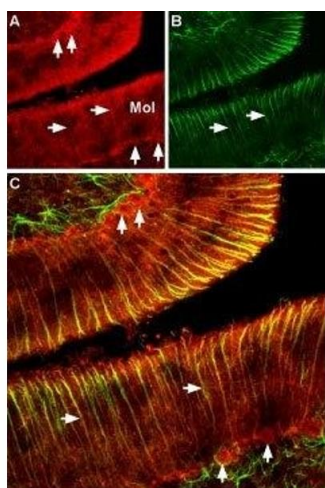
Western Blotting

Image 1. Western blot analysis of rat brain membranes: - 1. Anti-CNGA2 Antibody (ABIN7043090, ABIN7044955 and ABIN7044956), (1:200). 2. Anti-CNGA2 Antibody, preincubated with CNGA2 Blocking Peptide (#BLP-PC045).



Immunocytochemistry

Image 2. Expression of CNGA2 in rat cerebellum primary culture - Immunocytochemical staining of paraformaldehyde-fixed and permeabilized rat cerebellum primary culture. A-F. Immunocytochemical staining using Anti-CNGA2 Antibody (ABIN7043090, ABIN7044955 and ABIN7044956), (1:100) followed by goat anti-rabbit-AlexaFluor-555 secondary antibody. Magnification: A-C: x20 D-F: x100



Immunohistochemistry

Image 3. Expression of CNGA2 in rat cerebellum - Immunohistochemical staining of rat cerebellum using Anti-CNGA2 Antibody (ABIN7043090, ABIN7044955 and ABIN7044956). A. CNGA2 (red) appears in Purkinje cells (vertical arrows) and in astrocytic fibers (horizontal arrows) traversing the cerebellar molecular layer (Mol). B. Staining of astrocytes with mouse anti-glial fibrillary acidic protein (GFAP, green) demonstrates the full distribution of astrocytic fibers (horizontal arrows) in the cerebellum. C. Confocal merge of panels A and B.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7043090.