

Datasheet for ABIN7043091
anti-CNGA3 antibody (C-Term, Intracellular)[Go to Product page](#)

2 Images

Overview

Quantity:	50 µL
Target:	CNGA3
Binding Specificity:	AA 594-611, C-Term, Intracellular
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)GHGFSPDRENSEDASKAD, corresponding to amino acid residues 594-611 of rat CNGA3
Isotype:	IgG
Cross-Reactivity (Details):	Recognizes the two published isoforms of CNGA3.
Characteristics:	Anti-CNGA3 Antibody (ABIN7043091 and ABIN7044975)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize CNGA3 from rat and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

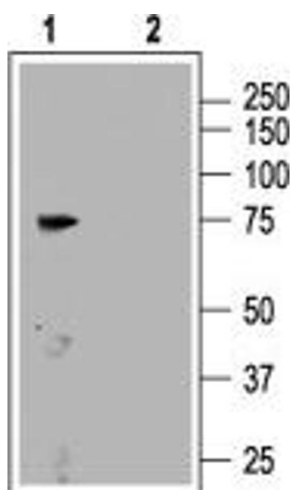
Target:	CNGA3
Alternative Name:	CNGA3 (CNGA3 Products)
Background:	Alternative names: CNGA3, Cyclic nucleotide-gated cation channel alpha 3, CNG channel alpha 3, CNG3, CNCG3, CNGalpha2, Cone photoreceptor cGMP-gated channel subunit alpha, CCNC1, ACHM2
Gene ID:	85257
NCBI Accession:	NM_001298
UniProt:	Q9QWN7
Pathways:	Phototransduction

Application Details

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

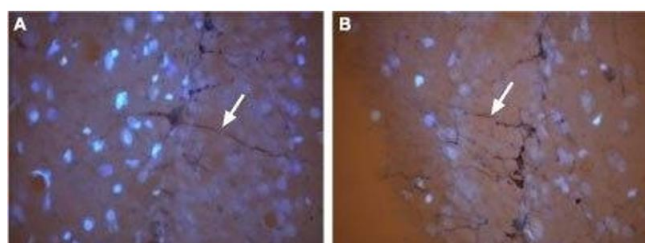
Handling

Format:	Lyophilized
Reconstitution:	50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.75 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-CNGA3 Antibody (ABIN7043091 and ABIN7044975), (1:200). 2. Anti-CNGA3 Antibody, preincubated with CNGA3 Blocking Peptide (#BLP-PC060).



Immunohistochemistry

Image 2. Expression of CNG3 in rat brain - Immunohistochemical staining of frozen rat hippocampal dentate gyrus (DG) sections using Anti-CNGA3 Antibody (ABIN7043091 and ABIN7044975). Neurons were found in the hilus of the DG with dendritic processes extending across the granule cell layer (arrows) both in the dorsal blade (A) and ventral blade (B). Diaminobenzidine color product is blue-black (arrows). DAPI is used as the counterstain (silver).