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Datasheet for ABIN7043092

anti-CNGA4 antibody (Intracellular, N-Term)

2 Images

Overview

Quantity:	50 µL
Target:	CNGA4
Binding Specificity:	AA 2-19, Intracellular, N-Term
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C) SQDGKVKTTTESTPPAPTK, corresponding to amino acid residues 2-19 of rat CNGA4
Isotype:	IgG
Characteristics:	Anti-CNGA4 Antibody (ABIN7043092 and ABIN7044985) 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 CNGA4 from human, rat, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

Target:	CNGA4
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Target Details

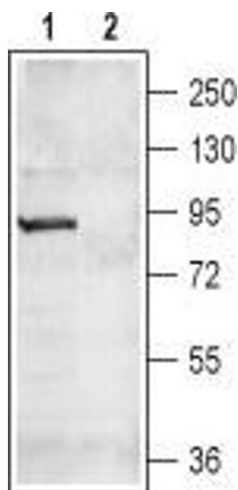
Alternative Name:	CNGA4 (CNGA4 Products)
Background:	Alternative names: CNGA4, Cyclic nucleotide-gated cation channel alpha-4, CNG4, Cyclic nucleotide-gated olfactory channel subunit OCNC2, OCNCb
Gene ID:	85258
NCBI Accession:	NM_001037329
UniProt:	Q64359

Application Details

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

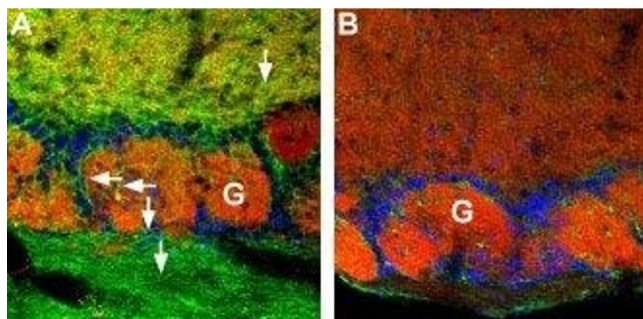
Handling

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:	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 brain lysate: - 1. Anti-CNGA4 Antibody (ABIN7043092 and ABIN7044985), (1:200). 2. Anti-CNGA4 Antibody, preincubated with CNGA4 Blocking Peptide (#BLP-PC074).



Immunohistochemistry

Image 2. Expression of CNGA4 in mouse olfactory bulb - Immunohistochemical staining of CNGA4 channel in mouse olfactory bulb using Anti-CNGA4 Antibody (ABIN7043092 and ABIN7044985). A. CNGA4 staining (green) appears in glomeruli (horizontal arrows) and outside the glomeruli (vertical arrows). To define the location of glomeruli (G), the same section was stained with mouse anti-synaptophysin (red) and the nissl stain DAPI (blue). B. Pre-incubation of Anti-CNGA4 Antibody with the peptide antigen blocks the staining in the olfactory bulb.