

Rabbit CNGA2 Polyclonal Antibody | anti-CNGA2 antibody

CNGA2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328930	Rabbit	Human, Mouse, Rat Predicted Reactivity: Horse(89%), Sheep(89%), Rabbit(89%), Dog(89%)	ELISA, Western Blot

PRODUCT SYNONYMS

CNGA2; Polyclonal Antibody; CNGA2 Antibody; CNCA; CNCA1; CNCG2; CNG 2; CNG channel alpha 2; CNG channel alpha-2; CNG-2; CNG2; CNGA 2; Cnga2; CNGA2_HUMAN; Cyclic nucleotide gated cation channel 2; Cyclic nucleotide gated channel alpha 2; Cyclic nucleotide gated olfactory channel; Cyclic nucleotide-gated cation channel 2; Cyclic nucleotide-gated channel alpha-2; Cyclic nucleotide-gated olfactory channel; FLJ46312; OCNC1; OCNCa; OCNCALPHA; anti-CNGA2 antibody

PRODUCT SPECIFICATIONS

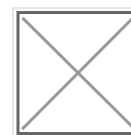
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Horse(89%), Sheep(89%), Rabbit(89%), Dog(89%)
Clonality	Polyclonal
Isotype	IgG
Specificity	CNGA2 Antibody detects endogenous levels of total CNGA2.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	664
Applicable Applications for anti-CNGA2 antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human CNGA2, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA328930 at 1/100 staining Mouse heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Å°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA328930 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Å°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA328930 at 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Rat brain, using CNGA2 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CNGA2 antibody

Function: Odorant signal transduction is probably mediated by a G-protein coupled cascade using cAMP as second messenger. The olfactory channel can be shown to be activated by cyclic nucleotides which leads to a depolarization of olfactory sensory neurons.

Subcellular Location: Membrane>Multi-pass membrane protein.

Subunit Structure: Heterotetramer composed of two subunits of CNGA2, one of CNGA4 and one of CNGB1b. The complex forms the cyclic nucleotide-gated (CNG) channel of olfactory sensory neurons (By similarity).

Similarity: The C-terminal coiled-coil domain mediates trimerization of CNGA subunits. Belongs to the cyclic nucleotide-gated cation channel (TC 1.A.1.5) family. CNGA2 subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	42718011
NCBI GeneID	1260
NCBI Accession #	NP_005131.1
NCBI GenBank Nucleotide #	NP_005131.1
UniProt Accession #	Q16280
Molecular Weight	Observed Molecular Weight: (Observed)76kD. Predicted Molecular Weight: (Calculated)76kDa.
NCBI Official Full Name	cyclic nucleotide-gated olfactory channel
NCBI Official Synonym Full Names	cyclic nucleotide gated channel subunit alpha 2
NCBI Official Symbol	CNGA2
NCBI Official Synonym Symbols	CNCA; CNG2; CNCA1; OCNC1; OCNCa; OCNCALPHA
NCBI Protein Information	cyclic nucleotide-gated olfactory channel
UniProt Protein Name	Cyclic nucleotide-gated olfactory channel
UniProt Gene Name	CNGA2
UniProt Synonym Gene Names	CNCA; CNCA1; CNCG2; CNG channel alpha-2; CNG-2; CNG2
UniProt Entry Name	CNGA2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cnga2-antibody-western-blot-elisa/328930>