

Rabbit CNGB1 Polyclonal Antibody | anti-CNGB1 antibody

CNGB1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324646	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

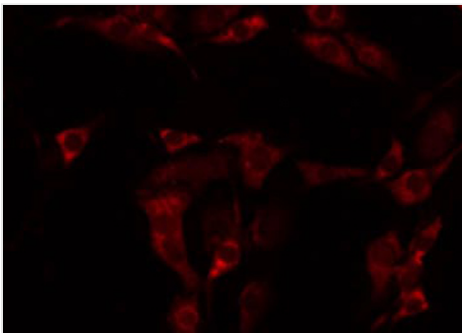
PRODUCT SYNONYMS

CNGB1; Polyclonal Antibody; CNGB1 Antibody; 240 kDa protein of rod photoreceptor CNG channel; cGMP gated cation channel beta subunit; CNCG 4; CNCG2; CNCG3L; CNCG4; CNG 4; CNG channel 4; CNG channel beta 1; CNG4; CNGB 1; CNGB1B; Cyclic nucleotide gated cation channel 4; Cyclic nucleotide gated cation channel; Cyclic nucleotide gated cation channel beta 1; Cyclic nucleotide gated cation channel gamma; Cyclic nucleotide gated cation channel modulatory subunit; Cyclic nucleotide gated channel (photoreceptor) cGMP gated 3 (gamma) like; Cyclic nucleotide gated channel beta 1; GAR1; GARP; GARP2; Glutamic acid rich protein; RCNC2; RCNCb; RCNCbeta; RP45; Truncated glutamic acid rich protein; Truncated rod photoreceptor cGMP gated channel beta subunit; anti-CNGB1 antibody

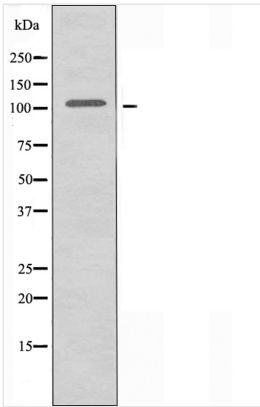
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CNGB1 antibody detects endogenous levels of total CNGB1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	299
Applicable Applications for anti-CNGB1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Membrane; Multipass Membrane Protein.
Predicted Cross Reactivity	Pig, Bovine, Dog
Similarity	Pig (100%), Bovine (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA324646 staining NIH-3T3 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from A549 cells using CNGB1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CNGB1 antibody	Function: Subunit of cyclic nucleotide-gated (CNG) channels, nonselective cation channels, which play important roles in both visual and olfactory signal transduction. When associated with CNGA1, it is involved in the regulation of ion flow into the rod photoreceptor outer segment (ROS), in response to light-induced alteration of the levels of intracellular cGMP. Subunit Structure: Tetramer formed of three CNGA1 and one CNGB1 modulatory subunits. Similarity: Belongs to the cyclic nucleotide-gated cation channel (TC 1.A.1.5) family. CNGB1 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	208431781
NCBI GeneID	1258
NCBI Accession #	NP_001129111.1
NCBI GenBank Nucleotide #	NM_001135639.1
UniProt Accession #	Q14028; O43636; Q13059; Q14029; Q9UMG2; H3BN09
Molecular Weight	Observed: 102 kD Predicted: 140 kDa
NCBI Official Full Name	cyclic nucleotide-gated cation channel beta-1 isoform b
NCBI Official Synonym Full Names	cyclic nucleotide gated channel beta 1
NCBI Official Symbol	CNGB1
NCBI Official Synonym Symbols	CNG4; GAR1; GARP; RP45; CNCG2; CNCG4; GARP2; RCNC2; RCNCb; CNCG3L; CNGB1B; RCNCbeta
NCBI Protein Information	cyclic nucleotide-gated cation channel beta-1
UniProt Protein Name	Cyclic nucleotide-gated cation channel beta-1
UniProt Gene Name	CNGB1
UniProt Synonym Gene Names	CNCG2; CNCG3L; CNCG4; RCNC2; CNG channel 4; CNG-4; CNG4; CNG channel beta-1; GARP

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.