
Product Name: CNGB1 Rabbit Polyclonal Antibody**Catalog #: APRab00397**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Chromatography

Application

Dilution Ratio	WB 1:500-1:1000,ELISA 1:5000-1:20000
Molecular Weight	Calculated MW: 140 kDa; Observed MW: 102 kDa

Antigen Information

Gene Name	CNGB1
Alternative Names	CNG4; GAR1; GARP; RP45; CNCG2; CNCG4; GARP2; RCNC2; RCNCb; CNCG3L; CNGB1B; RCNCbeta
Gene ID	1258
SwissProt ID	Q14028
Immunogen	The antiserum was produced against synthesized peptide derived from human CNGB1. AA range:571-620

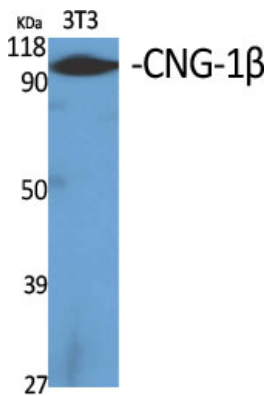
Background

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. Isoform GARP2 is a high affinity rod photoreceptor phosphodiesterase (PDE6)-binding protein that modulates its catalytic properties: it is a regulator of spontaneous activation of rod PDE6, thereby serving to lower rod photoreceptor 'dark noise' and allowing these sensory cells to operate at the single photon detection limit.

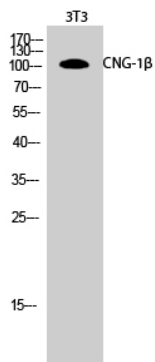
Research Area

Signal Transduction

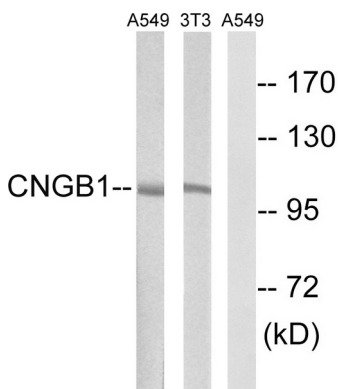
Image Data



Western blot analysis of CNGB1 in various lysates using CNGB1 antibody.



Western blot analysis of CNGB1 in 3T3 lysates using CNG1β antibody.



Western blot analysis of CNGB1 in NIH/3T3 and A549 lysates using CNGB1 antibody. The lane on the right is blocked with the synthesized peptide.

