

CNG-1 β Polyclonal Antibody

Catalog No :	YT0996
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	CNG-1 β
Fields :	>>cGMP-PKG signaling pathway;>>cAMP signaling pathway;>>Olfactory transduction;>>Phototransduction
Gene Name :	CNGB1
Protein Name :	Cyclic nucleotide-gated cation channel beta-1
Human Gene Id :	1258
Human Swiss Prot No :	Q14028
Immunogen :	The antiserum was produced against synthesized peptide derived from human CNGB1. AA range:571-620
Specificity :	CNG-1 β Polyclonal Antibody detects endogenous levels of CNG-1 β protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	102kD

Cell Pathway : Olfactory transduction;

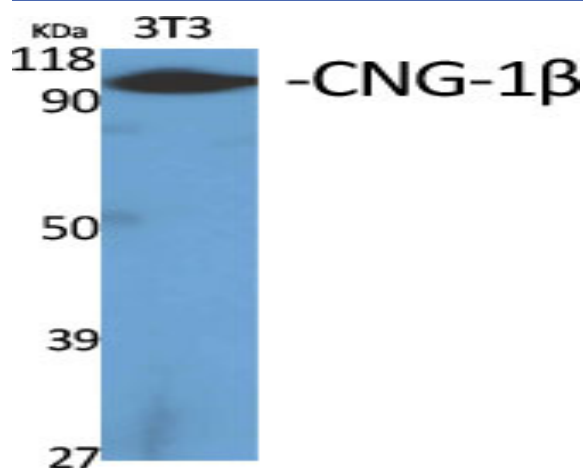
Background : In humans, the rod photoreceptor cGMP-gated cation channel helps regulate ion flow into the rod photoreceptor outer segment in response to light-induced alteration of the levels of intracellular cGMP. This channel consists of two subunits, alpha and beta, with the protein encoded by this gene representing the beta subunit. Defects in this gene are a cause of cause of retinitis pigmentosa type 45. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2013],

Function : disease:Defects in CNGB1 are the cause of retinitis pigmentosa type 25 (RP25) [MIM:268000]. RP leads to degeneration of retinal photoreceptor cells. Patients typically have night vision blindness and loss of midperipheral visual field. As their condition progresses, they lose their far peripheral visual field and eventually central vision as well.,similarity:Belongs to the cyclic nucleotide-gated cation channel (TC 1.A.1.5) family.,similarity:Contains 1 cyclic nucleotide-binding domain.,subunit:Heterooligomeric complex with CNGA1.,

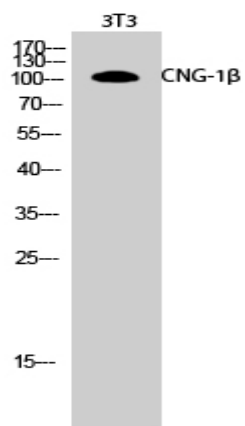
Subcellular Location : Membrane; Multi-pass membrane protein.

Expression : Retina,

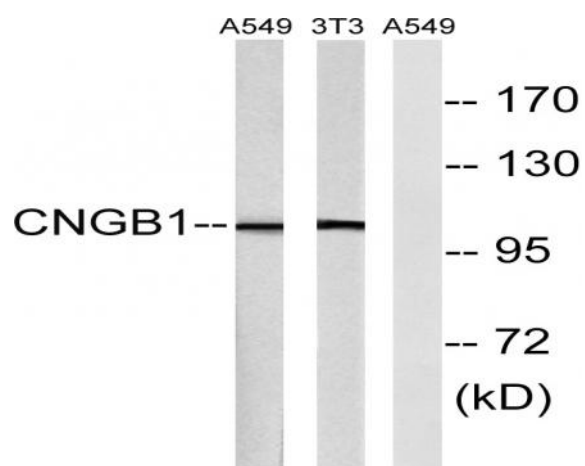
Products Images



Western Blot analysis of various cells using CNG-1 β Polyclonal Antibody



Western Blot analysis of 3T3 cells using CNG-1 β Polyclonal Antibody



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