CNGB1 Polyclonal Antibody

Catalog No. E-AB-30977

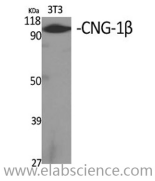
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

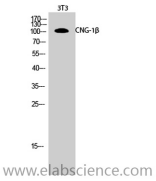
Reactivity	Human,Mouse,Rat
Immunogen	Synthesized peptide derived from the Internal region of human CNG-1β
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Buffer	PBS with 0.02% sodium azide,0.5% protective protein and 50% glycerol pH 7.4.

Applications	Recommended Dilution
WB	1:500-1:2000
ELISA	1:10000

Data



Western Blot analysis of 3T3 cells with CNGB1 Polyclonal Antibody
Observed Mw:102kDa
Calculated Mw:102kDa



Western Blot analysis of 3T3 cells with CNGB1 Polyclonal Antibody

Preparation & Storage

Storage Store at -20℃. Avoid freeze / thaw cycles.

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.CNGB1 (Cyclic Nucleotide Gated Channel Beta 1) is a Protein Coding gene. Diseases associated with CNGB1 include Retinitis Pigmentosa 45 and Cngb1-Related Retinitis Pigmentosa. Among its related pathways are Phototransduction and Metabolism of fat-soluble vitamins. GO annotations related to this gene include voltage-gated potassium channel activity and cGMP binding. An important paralog of this gene is CNGB3.

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