

**产品名称: CNGB1 Rabbit Polyclonal Antibody**  
**产品货号: APRab00397**



## 产品概述 (Summary)

|                        |                                  |
|------------------------|----------------------------------|
| 产品名称 (Production Name) | CNGB1 Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody       |
| 宿主 (Host)              | Rabbit                           |
| 应用 (Application)       | WB,ELISA                         |
| 种属反应性 (Reactivity)     | Human,Mouse,Rat                  |

## 产品性能 (Performance)

|                     |                                                                                                |
|---------------------|------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                   |
| 修饰 (Modification)   | Unmodified                                                                                     |
| 同种型 (Isotype)       | IgG                                                                                            |
| 克隆 (Clonality)      | Polyclonal                                                                                     |
| 形式 (Form)           | Liquid                                                                                         |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.       |
| 储存溶液 (Buffer)       | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3. |
| 纯化方式 (Purification) | Affinity Chromatography                                                                        |

## 免疫原信息 (Immunogen)

|                        |                                                                                     |
|------------------------|-------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | CNGB1                                                                               |
| 别名 (Alternative Names) | CNG4; GAR1; GARP; RP45; CNCG2; CNCG4; GARP2; RCNC2; RCNCb; CNCG3L; CNGB1B; RCNCbeta |
| 基因 ID (Gene ID)        | 1258                                                                                |
| 蛋白 ID (SwissProt ID)   | Q14028.                                                                             |

## 产品应用 (Application)

|                          |                                              |
|--------------------------|----------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:1000,ELISA 1:5000-1:20000         |
| 蛋白分子量 (Molecular Weight) | Calculated MW: 140 kDa; Observed MW: 102 kDa |

## 研究背景 (Background)

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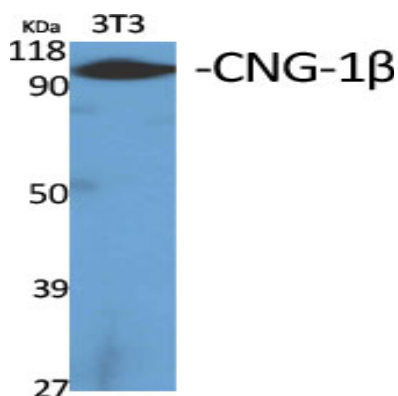


Subunit of cyclic nucleotide-gated (CNG) channels, nonselective cation channels, which play important roles in both visual and olfactory signal transduction. When associated with CNGA1, it is involved in the regulation of ion flow into the rod photoreceptor outer segment (ROS), in response to light-induced 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.

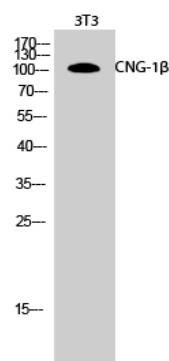
## 研究领域 (Research Area)

Signal Transduction

## 图片 (Image Data)

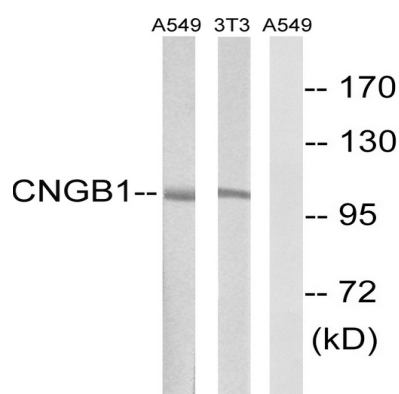


Western blot analysis of CNGB1 in various lysates using CNGB1 antibody.



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

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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.

#### 注意事项 (Note)

For research use only .