

产品名称: CNG-1 Rabbit Polyclonal Antibody  
产品货号: APRab09115



## 产品概述 (Summary)

|                        |                                  |
|------------------------|----------------------------------|
| 产品名称 (Production Name) | CNG-1 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% New type preservative N. |
| 纯化方式 (Purification) | Affinity purification                                                                             |

## 免疫原信息 (Immunogen)

|                        |                                                                                                                                                    |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | CNGA1<br>CNGA1; CNCG; CNCG1; cGMP-gated cation channel alpha-1; Cyclic nucleotide-gated cation channel 1; Cyclic nucleotide-gated channel alpha-1; |
| 别名 (Alternative Names) | CNG channel alpha-1; CNG-1; CNG1; Cyclic nucleotide-gated channel; photoreceptor; Rod photoreceptor cG                                             |
| 基因 ID (Gene ID)        | 1259.0                                                                                                                                             |
| 蛋白 ID (SwissProt ID)   | P29973.The antiserum was produced against synthesized peptide derived from human CNGA1. AA range:401-450                                           |

## 产品应用 (Application)

|                      |                                       |
|----------------------|---------------------------------------|
| 稀释比 (Dilution Ratio) | WB 1:500-1:2000,ELISA 1:20000-1:40000 |
|----------------------|---------------------------------------|

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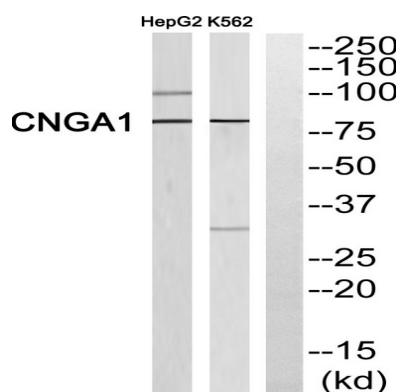
蛋白分子量 (Molecular Weight) 80kDa

## 研究背景 (Background)

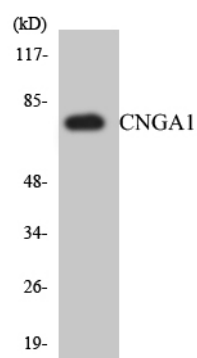
The protein encoded by this gene is involved in phototransduction. Along with another protein, the encoded protein forms a cGMP-gated cation channel in the plasma membrane, allowing depolarization of rod photoreceptors. This represents the last step in the phototransduction pathway. Defects in this gene are a cause of retinitis pigmentosa autosomal recessive (ARRP) disease. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008],caution:It is uncertain whether Met-1 or Met-5 is the initiator.,disease:Defects in CNGA1 are a cause of retinitis pigmentosa autosomal recessive (ARRP) [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.,function:Visual signal transduction is mediated by a G-protein coupled cascade using cGMP as second messenger. This protein can be activated by cyclic GMP which leads to an opening of the cation channel and thereby causing a depolarization of rod photoreceptors.,online information:Retina International's Scientific Newsletter,similarity:Belongs to the cyclic nucleotide-gated cation channel (TC 1.A.1.5) family.,similarity:Contains 1 cyclic nucleotide-binding domain.,subunit:Homotetramer or higher oligomer. Forms heterooligomeric complex with CNG4.,tissue specificity:Rod cells in the retina.,

## 研究领域 (Research Area)

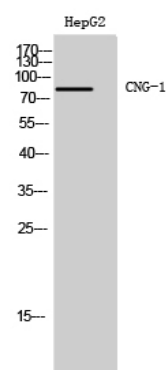
## 图片 (Image Data)



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Western blot analysis of the lysates from HepG2 cells using CNGA1 antibody.



Western Blot analysis of HepG2 cells using CNG-1 Polyclonal Antibody

### 注意事项 (Note)

For research use only .