

**CNG3 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP54311****Specification**

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**CNG3 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC
Primary Accession	<a href="#">Q16281</a>
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	78838

**CNG3 Polyclonal Antibody - Additional Information****Gene ID** 1261**Other Names**

Cyclic nucleotide-gated cation channel alpha-3, Cone photoreceptor cGMP-gated channel subunit alpha, Cyclic nucleotide-gated channel alpha-3, CNG channel alpha-3, CNG-3, CNG3, CNGA3, CNCG3

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**CNG3 Polyclonal Antibody - Protein Information****Name** CNGA3**Synonyms** CNCG3**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 cone photoreceptors. Induced a flickering channel gating, weakened the outward rectification in the presence of extracellular calcium, increased sensitivity for L-cis diltiazem and enhanced the cAMP efficacy of the channel when coexpressed with CNGB3 (By similarity). Essential for the generation of light-evoked electrical responses in the red-, green- and blue sensitive cones.

**Cellular Location**

Membrane; Multi-pass membrane protein.

**Tissue Location**

Prominently expressed in retina.

### **CNG3 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **CNG3 Polyclonal Antibody - Images**