

Datasheet for ABIN7147510  
**anti-CNGA1 antibody (AA 586-690)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µg
Target:	CNGA1
Binding Specificity:	AA 586-690
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CNGA1 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human cGMP-gated cation channel alpha-1 protein (586-690AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	CNGA1
Alternative Name:	CNGA1 ( <a href="#">CNGA1 Products</a> )
Background:	Background: 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

## Target Details

opening of the cation channel and thereby causing a depolarization of rod photoreceptors.  
Aliases: cGMP gated cation channel alpha 1 antibody, cGMP-gated cation channel alpha-1 antibody, CNCG antibody, CNCG1 antibody, CNG 1 antibody, CNG channel alpha 1 antibody, CNG channel alpha-1 antibody, CNG-1 antibody, CNG1 antibody, Cnga1 antibody, CNGA1\_HUMAN antibody, Cyclic nucleotide gated cation channel 1 antibody, Cyclic nucleotide gated channel alpha 1 antibody, Cyclic nucleotide gated channel photoreceptor antibody, Cyclic nucleotide-gated cation channel 1 antibody, Cyclic nucleotide-gated channel alpha-1 antibody, Cyclic nucleotide-gated channel antibody, Interleukin 1 homologue antibody, OTTHUMP00000218675 antibody, OTTHUMP00000223313 antibody, OTTHUMP00000223314 antibody, photoreceptor antibody, RCNC1 antibody, RCNCa antibody, RCNCalpha antibody, Rod photoreceptor cGMP gated channel subunit alpha antibody, Rod photoreceptor cGMP-gated channel subunit alpha antibody, RP49 antibody

UniProt: [P29973](#)

Pathways: [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Phototransduction](#), [Asymmetric Protein Localization](#)

## Application Details

Application Notes: Recommended dilution: IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

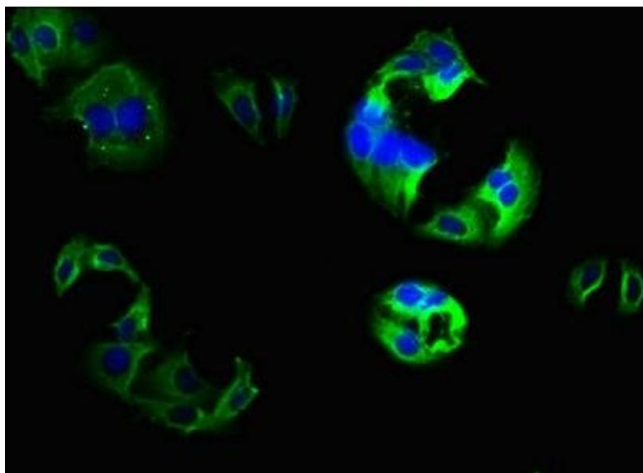
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



#### Immunofluorescence

**Image 1.** Immunofluorescence staining of HepG2 cells with ABIN7147510 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).