

Datasheet for ABIN7148825
anti-CNGA3 antibody (AA 1-165)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	CNGA3
Binding Specificity:	AA 1-165
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CNGA3 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Cyclic nucleotide-gated cation channel alpha-3 protein (1-165AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	CNGA3
Alternative Name:	CNGA3 (CNGA3 Products)
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 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.

Aliases: ACHM2 antibody, CCNC1 antibody, CCNCa antibody, CCNCalpha antibody, CNGC3 antibody, CNG 3 antibody, CNG channel alpha 3 antibody, CNG channel alpha-3 antibody, CNG-3 antibody, CNG3 antibody, CNGA3 antibody, Cnga3 cyclic nucleotide gated channel alpha 3 antibody, CNGA3_HUMAN antibody, Cone photoreceptor cGMP gated channel antibody, Cone photoreceptor cGMP gated channel alpha subunit antibody, Cone photoreceptor cGMP gated channel subunit alpha antibody, Cone photoreceptor cGMP-gated channel subunit alpha antibody, Cyclic nucleotide gated cation channel alpha 3 antibody, Cyclic nucleotide gated channel alpha 3 antibody, Cyclic nucleotide gated channel olfactory 3 antibody, Cyclic nucleotide gated channel rod photoreceptor subunit alpha antibody, Cyclic nucleotide-gated cation channel alpha-3 antibody, Cyclic nucleotide-gated channel alpha-3 antibody, OTTHUMP00000161120 antibody

UniProt: [Q16281](#)

Pathways: [Phototransduction](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

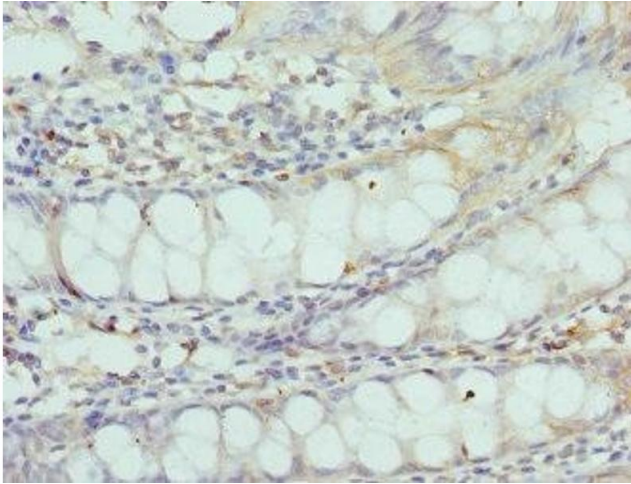
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: 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.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human colon tissue using ABIN7148825 at dilution of 1:100