

Datasheet for ABIN6260908
anti-CNGA3 antibody (N-Term)[Go to Product page](#)

1 Image

Overview

| | |
|----------------------|--------------------------------------|
| Quantity: | 100 µL |
| Target: | CNGA3 |
| Binding Specificity: | N-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This CNGA3 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA |

Product Details

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|---------------|---|
| Immunogen: | A synthesized peptide derived from human CNGA3, corresponding to a region within N-terminal amino acids. |
| Isotype: | IgG |
| Specificity: | CNGA3 Antibody detects endogenous levels of total CNGA3. |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |

Target Details

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|-------------------|--|
| Target: | CNGA3 |
| Alternative Name: | CNGA3 (CNGA3 Products) |

Target Details

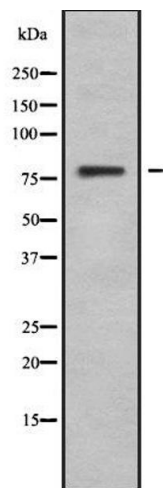
| | |
|-------------------|--|
| Background: | <p>Description: Visual signal transduction is mediated by a G-protein coupled cascade using cGMP as second messenger. This protein can be activated by cyclic GMP which leads to an opening of the cation channel and thereby causing a depolarization of cone 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.</p> <p>Gene: CNGA3</p> |
| Molecular Weight: | 79 kDa |
| Gene ID: | 1261 |
| UniProt: | Q16281 |
| Pathways: | Phototransduction |

Application Details

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|--------------------|--|
| Application Notes: | WB 1:1000-3000, ELISA(peptide) 1:20000-1:40000 |
| Restrictions: | For Research Use only |

Handling

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|--------------------|--|
| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol. |
| 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 |
| Storage Comment: | Store at -20 °C. Stable for 12 months from date of receipt. |
| Expiry Date: | 12 months |



Western Blotting

Image 1. Western blot analysis of CNGA3 using COL0205 whole cell lysates