

Goat Anti-CNGB3 (aa175-186) Antibody
Purified Goat Polyclonal Antibody
Catalog # AF4315a**Specification**

Goat Anti-CNGB3 (aa175-186) Antibody - Product Information

Application	IHC
Primary Accession	O9NQW8
Other Accession	NP_061971.3 , 54714
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	92167

Goat Anti-CNGB3 (aa175-186) Antibody - Additional Information**Gene ID** 54714**Other Names**

CNGB3; cyclic nucleotide gated channel beta 3; ACHM1; CNG channel beta-3; cone photoreceptor cGMP-gated cation channel beta-subunit; cyclic nucleotide-gated cation channel beta-3; cyclic nucleotide-gated cation channel modulatory subunit

Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen

Peptide with sequence C-ESDDKPTEHYR, from the internal region of the protein sequence according to NP_061971.3.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-CNGB3 (aa175-186) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-CNGB3 (aa175-186) Antibody - Protein Information**Name** CNGB3**Function**

Visual signal transduction is mediated by a G-protein coupled cascade using cGMP as second messenger. This protein can be activated by cGMP which leads to an opening of the cation channel and thereby causing a depolarization of rod 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 efficiency of the channel when coexpressed with CNGA3 (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.

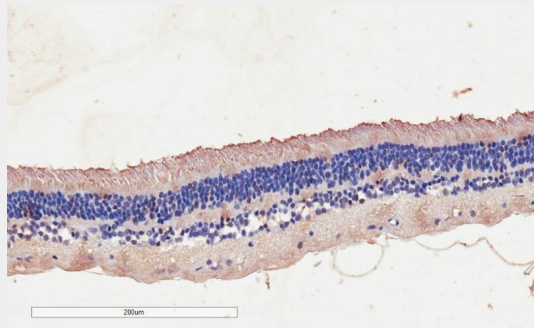
Tissue Location

Expressed specifically in the retina.

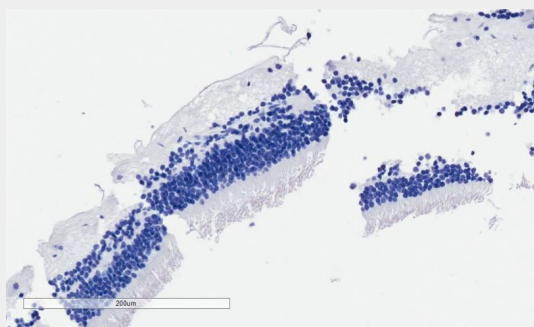
Goat Anti-CNGB3 (aa175-186) Antibody - Protocols

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](#)

Goat Anti-CNGB3 (aa175-186) Antibody - Images

AF4315a (2 µg/ml) staining of paraffin embedded Human Retina. Microwaved antigen retrieval with citrate buffer pH 6, HRP-staining.



AF4315a Negative Control showing staining of paraffin embedded Human Retina, with no primary antibody.

Goat Anti-CNGB3 (aa175-186) Antibody - References

Peng C, Rich ED, Varnum MD.