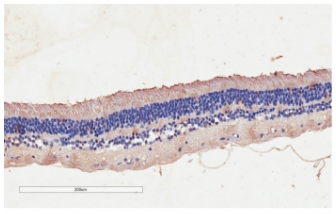
CNGB3 Antibody (R36477)

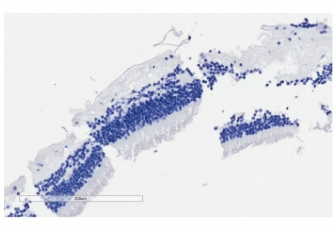
Catalog No.	Formulation	Size
R36477-100UG	0.5 mg/ml in 1X TBS, pH7.3, with 0.5% BSA (US sourced) and 0.02% sodium azide	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (goat origin)
Isotype	Goat Ig
Purity	Antigen affinity
UniProt	Q9NQW8
Applications	IHC (FFPE) : 2-4ug/ml ELISA (peptide) LOD : 1:8000
Limitations	This CNGB3 antibody is available for research use only.



IHC testing of FFPE human retinal with CNGB3 antibody at 2ug/ml. Staining of the pigmented epithelial cells is seen.



IHC testing of FFPE human retinal without CNGB3 antibody (negative control).

Description

Visual signal transduction is mediated by a G-protein coupled cascade using cGMP as second messenger. Cyclic nucleotide-gated cation channel beta-3 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. [UniProt]

Application Notes

Optimal dilution of the CNGB3 antibody should be determined by the researcher.

Immunogen

Amino acids ESDDKPTEHYYR were used as the immunogen for this CNGB3 antibody.

Storage

Aliquot and store the CNGB3 antibody at -20oC.