

## Goat anti-CNGB3 (aa175-186) Antibody

Item Number	dAP-3456
Target Molecule	Principle Name: CNGB3 (aa175-186); Official Symbol: CNGB3; All Names and Symbols: 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; Accession Number (s): NP_061971.3; Human Gene ID(s): 54714; Non-Human GenID (s):
Immunogen	ESDDKPTEHYYR, is from internal region
Applications	Pep ELISA, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 8000.
Western Blot	
IHC	Immunohistochemistry: In paraffin embedded Human Retina shows primarily staining of the pigmented epithelial cells. Recommended concentration: 2-4µg/ml.
Reference	Reference(s): Peng C, Rich ED, Varnum MD. Achromatopsia-associated mutation in the human cone photoreceptor cyclic nucleotide-gated channel CNGB3 subunit alters the ligand sensitivity and pore properties of heteromeric channels. <i>The Journal of biological chemistry</i> 2003 Sep 278 (36): 34533-40.. PMID:

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**