

Anti-CNG3

(Cyclic nucleotide gated channel, ROD photoreceptor, alpha subunit)

Polyclonal Antibody

Cat. #: 60B582

Description:

Visual signal transduction is mediated by a G-protein coupled cascade using cGMP as second messenger. CNG3 (Cyclic nucleotide gated channel, ROD photoreceptor, alpha subunit) can be activated by cGMP which leads to an opening of the cation channel and thereby causing a depolarization of rod photoreceptors. The protein belongs to the cyclic nucleotide-gated cation channel (TC 1.A.1.5) family and contains 1 cyclic nucleotide-binding domain.

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of chicken CNG3 (Cyclic nucleotide gated channel, ROD photoreceptor, alpha subunit)

References

Bonigk,W., et al, Neuron 10 (5), 865-877 (1993)
Nair,A.V., et al, Biophys. J. 90 (10), 3599-3607 (2006)
Giorgetti,A., et al, FEBS Lett. 579 (9), 1968-1972 (2005)
Zheng,J., et al, Neuron 36 (5), 891-896 (2002)
Weitz,D., et al, Neuron 36 (5), 881-889 (2002)
Zhong,H., et al, Nature 420 (6912), 193-198 (2002)
Kaupp,U.B., et al, Nature 342 (6251), 762-766 (1989)

Species: Chicken

Storage and Stability: at -20oC

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)