

CNGA1 (DGR32873) Mouse mAb

db21762

Package : 10µL 20µL 50µL 100µL

Product Name : CNGA1 (DGR32873) Mouse mAb**Cat.No.:** db21762**Synonyms** : CNG; CNCG1**Application** : IHC-P**Reactivity** : Mouse, Rat**Host species** : Mouse**Background**

Pore-forming subunit of the rod cyclic nucleotide-gated channel. Mediates rod photoresponses at dim light converting transient changes in intracellular cGMP levels into electrical signals. In the dark, cGMP levels are high and keep the channel open enabling a steady inward current carried by Na⁺ and Ca²⁺ ions that leads to membrane depolarization and neurotransmitter release from synaptic terminals. Upon photon absorption cGMP levels decline leading to channel closure and membrane hyperpolarization that ultimately slows neurotransmitter release and signals the presence of light, the end point of the phototransduction cascade.

Immunogen

Recombinant protein of mouse CNGA1

Gene ID

281700

Swiss Prot

Q00194

Synonyms

CNG; CNCG1

Reactivity

Mouse, Rat

Application

IHC-P

Recommended dilution

IHC-P: 1:100

Calculated MW

80 kDa

Host species

Mouse

Clonality

Monoclonal

Clonality No.

DGR32873

Isotype

IgG1

Purity

Affinity Purification

Conjugation

Un-conjugated

Storage Stability

Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.