10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GCAP2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55128

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9UMX6
Reactivity	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23420

Additional Information

Gene ID	2979
Other Names	Guanylyl cyclase-activating protein 2, GCAP 2, Guanylate cyclase activator 1B, GUCA1B, GCAP2
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	GUCA1B
Synonyms	GCAP2
Function	Stimulates two retinal guanylyl cyclases (GCs) GUCY2D and GUCY2F when free calcium ions concentration is low, and inhibits GUCY2D and GUCY2F when free calcium ions concentration is elevated (By similarity). This Ca(2+)-sensitive regulation of GCs is a key event in recovery of the dark state of rod photoreceptors following light exposure (By similarity). May be involved in cone photoreceptor response and recovery of response in bright light (By similarity).
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:P51177}; Lipid-anchor {ECO:0000250|UniProtKB:P51177}. Photoreceptor inner segment. Cell projection, cilium, photoreceptor outer segment Note=Subcellular location is not affected by light or dark conditions {ECO:0000250|UniProtKB:Q8VBV8}
Tissue Location	In the retina, it is expressed in cone and rod photoreceptor cells.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.