

GCAP2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55128**Specification**

GCAP2 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	O9UMX6
Reactivity	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23420

GCAP2 Polyclonal Antibody - Additional Information**Gene ID** 2979**Other Names**

Guanylyl cyclase-activating protein 2, GCAP 2, Guanylate cyclase activator 1B, GUCA1B, GCAP2

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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.

GCAP2 Polyclonal Antibody - 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.

GCAP2 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GCAP2 Polyclonal Antibody - Images