

GCAP3 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP1569a**Specification**

GCAP3 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [O95843](#)**GCAP3 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 9626**Other Names**

Guanylyl cyclase-activating protein 3, GCAP 3, Guanylate cyclase activator 1C, GUCA1C, GCAP3

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP1569a](/product/products/AP1569a) was selected from the N-term region of human GCAP3 . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GCAP3 Antibody (N-term) Blocking Peptide - Protein Information**Name** GUCA1C**Synonyms** GCAP3**Function**

Stimulates guanylyl cyclase 1 (GC1) and GC2 when free calcium ions concentration is low and inhibits guanylyl cyclases when free calcium ions concentration is elevated. This Ca(2+)-sensitive regulation of guanylyl cyclase (GC) is a key event in recovery of the dark state of rod photoreceptors following light exposure.

Tissue Location

Retina.

GCAP3 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GCAP3 Antibody (N-term) Blocking Peptide - Images

GCAP3 Antibody (N-term) Blocking Peptide - Background

GCAP3 stimulates guanylyl cyclase 1 (GC1) and GC2 when free calcium ion concentration is low and inhibits guanylyl cyclases when free calcium ion concentration is elevated. This Ca^{2+} sensitive regulation of guanylyl cyclase (GC) is a key event in recovery of the dark state of rod photoreceptors following light exposure. GCAP3 contains 4 EF-hand calcium-binding domains and is expressed in the retina.

GCAP3 Antibody (N-term) Blocking Peptide - References

Haeseleer, F., et al., J. Biol. Chem. 274(10):6526-6535 (1999).