

Mouse Gucy2f Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP14715c**Specification**

Mouse Gucy2f Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q5SDA5](#)**Mouse Gucy2f Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 245650**Other Names**

Retinal guanylyl cyclase 2, Gucy2f

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.

Mouse Gucy2f Antibody (Center) Blocking Peptide - Protein Information**Name** Gucy2f {ECO:0000312|MGI:MGI:105119}**Function**

Responsible for the synthesis of cyclic GMP (cGMP) in rods and cones of photoreceptors (By similarity). Plays an essential role in phototransduction, by mediating cGMP replenishment. May also participate in the trafficking of membrane-associated proteins to the photoreceptor outer segment membrane (PubMed:17255100).

Cellular Location

Membrane {ECO:0000250|UniProtKB:P51842}; Single-pass type I membrane protein. Photoreceptor outer segment membrane; Single-pass type I membrane protein

Tissue Location

Retina..

Mouse Gucy2f Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

Mouse Gucy2f Antibody (Center) Blocking Peptide - Images

Mouse Gucy2f Antibody (Center) Blocking Peptide - Background

Probably plays a specific functional role in the rods and/or cones of photoreceptors. It may be the enzyme involved in the resynthesis of cGMP required for recovery of the dark state after phototransduction (By similarity).

Mouse Gucy2f Antibody (Center) Blocking Peptide - References

Schmidt, H., et al. J. Cell Biol. 179(2):331-340(2007) Baehr, W., et al. J. Biol. Chem. 282(12):8837-8847(2007) Corbo, J.C., et al. PLoS Genet. 1 (2), E11 (2005) :Shearstone, J.R., et al. Genomics 85(3):309-321(2005) Yamazaki, K., et al. Genomics 51(2):303-305(1998)