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Mouse Gucy2f Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP14715c

Specification

Mouse Gucy2f Antibody (Center) Blocking Peptide - Product Information

Primary 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-asociated 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)