# GUCY2F Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | Gucy2f, Polyclonal Antibody |
| **Full Product Name** | Gucy2f, ID (Gucy2f, Retinal guanylyl cyclase 2) (MaxLight 650) |
| **Product Gene Name** | anti-Gucy2f antibody |
| **Product Synonym Names** | Gucy2f; Retinal guanylyl cyclase 2 |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Mouse |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650. |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Preparation and Storage** | Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap. |
| **Molecular Weight** | 124,425 Da |
| **3D Structure** | ModBase 3D Structure for Q5SDA5 |
| **Immunogen** | Mouse Gucy2f antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 316-344 amino acids from the Central region of Mouse Gucy2f. |
| **Conjugate** | MaxLight650 |
| **Note** | Preservative Free |
| **Product Categories/Family for anti-Gucy2f antibody** | Antibodies; Enzymes; Cyclase |
| **Applications Tested/Suitable for anti-Gucy2f antibody** | Western Blot (WB), FLISA |
| **Application Notes for anti-Gucy2f antibody** | WB: 1:100-500<br>FLISA: 1:1,000<br>Applications are based on unconjugated antibody. |
| **Related Product Information for anti-Gucy2f antibody** | 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). |
| **Product References and Citations for anti-Gucy2f antibody** | 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). |
| **Other Notes** | Small volumes of anti-Gucy2f antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for Gucy2f purchase** | MBS6305138 is an antibody targeting Gucy2f. Also known as Gucy2f, ID (Gucy2f, Retinal guanylyl cyclase 2) (MaxLight 650). Reactive in Mouse. Host: Rabbit. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Gucy2f. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 56119098 |
| **NCBI GeneID** | 245650 |
| **NCBI Accession #** | NP_001007577.1 |
| **UniProt Primary Accession #** | Q5SDA5 |
| **UniProt Secondary Accession #** | Q8BLL8 |
| **UniProt Related Accession #** | Q5SDA5 |
| **GenBank Nucleotide #** | NM_001007576.2 |
| **NCBI Official Full Name** | retinal guanylyl cyclase 2 |
| **NCBI Official Synonym Full Names** | guanylate cyclase 2f |
| **NCBI Official Symbol** | Gucy2f |
| **NCBI Official Synonym Symbols** | GC2; GC-F; A930002I06 |
| **UniProt Protein Name** | Retinal guanylyl cyclase 2 |
| **Protein Family** | Retinal guanylyl cyclase |
| **UniProt Gene Name** | Gucy2f |
| **UniProt Entry Name** | GUC2F_MOUSE |
| **NCBI Protein Information** | retinal guanylyl cyclase 2 |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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