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Guanylyl Cyclase alpha 2 (GUCY1A2) Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP8176b

Specification

Guanylyl Cyclase alpha 2 (GUCY1A2) Antibody (C-term) Blocking peptide - Product Information

Primary Accession	P33402
Other Accession	NP_000846

Guanylyl Cyclase alpha 2 (GUCY1A2) Antibody (C-term) Blocking peptide - Additional Information

Gene ID 2977

Other Names
Guanylate cyclase soluble subunit alpha-2, GCS-alpha-2, GUCY1A2, GUC1A2, GUCSA2

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP8176b was selected from the C-term region of human GUCY1A2. 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.

Guanylyl Cyclase alpha 2 (GUCY1A2) Antibody (C-term) Blocking peptide - Protein Information

Name GUCY1A2

Synonyms GUC1A2, GUCSA2

Function
Has guanylyl cyclase on binding to the beta-1 subunit.

Cellular Location
Cytoplasm.

Tissue Location

Isoform 1 is expressed in fetal brain, liver, colon, endothelium and testis. Isoform 2 is expressed only in liver, colon and endothelium

Guanylyl Cyclase alpha 2 (GUCY1A2) Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

Guanylyl Cyclase alpha 2 (GUCY1A2) Antibody (C-term) Blocking peptide - Images

Guanylyl Cyclase alpha 2 (GUCY1A2) Antibody (C-term) Blocking peptide - Background

Soluble guanylate cyclase (sGC), a heterodimeric protein consisting of an alpha and a beta subunit, catalyzes the conversion of GTP to the second messenger cGMP and functions as the main receptor for nitric oxide and nitrovasodilator drugs.

Guanylyl Cyclase alpha 2 (GUCY1A2) Antibody (C-term) Blocking peptide - References

Baba, H., et al., Neuroreport 15(4):677-680 (2004).Bellamy, T.C., et al., Proc. Natl. Acad. Sci. U.S.A. 99(1):507-510 (2002).Russwurm, M., et al., J. Biol. Chem. 276(48):44647-44652 (2001).Bamberger, A.M., et al., J. Clin. Endocrinol. Metab. 86(2):909-912 (2001).Budworth, J., et al., Biochem. Biophys. Res. Commun. 263(3):696-701 (1999).