

Rabbit Guanylyl Cyclase alpha 2 (GUCY1A2) Polyclonal Antibody | anti-GUCY1A2 antibody

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

CATALOG # AAA286991	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Rat)	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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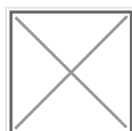
PRODUCT SYNONYMS

Guanylyl Cyclase alpha 2 (GUCY1A2); Polyclonal Antibody; Guanylyl Cyclase alpha 2 (GUCY1A2) Antibody (C-term); Guanylate cyclase soluble subunit alpha-2; GCS-alpha-2; GUCY1A2; GUC1A2; GUCSA2; anti-GUCY1A2 antibody

PRODUCT SPECIFICATIONS

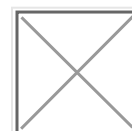
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Guanylyl Cyclase alpha 2 (GUCY1A2) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 699-732 amino acids from the C-terminal region of human Guanylyl Cyclase alpha 2 (GUCY1A2).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	699-732
Sequence Length	732
Applicable Applications for anti-GUCY1A2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

Western blot analysis of anti-GUCY1A2 Antibody (C-term) in NCI-H460 cell line lysates (35ug/lane). GUCY1A2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-GUCY1A2 antibody	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.
Product Categories/Family for anti-GUCY1A2 antibody	Signal Transduction
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).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504211
NCBI GeneID	2977
NCBI Accession #	NP_000846.1; NP_001243353.1
NCBI GenBank Nucleotide #	NM_000855.2
UniProt Accession #	P33402; A1L4C4; B7ZLT5
Molecular Weight	81750
NCBI Official Full Name	guanylate cyclase soluble subunit alpha-2 isoform 2
NCBI Official Synonym Full Names	guanylate cyclase 1, soluble, alpha 2
NCBI Official Symbol	GUCY1A2
NCBI Official Synonym Symbols	GC-SA2; GUC1A2
NCBI Protein Information	guanylate cyclase soluble subunit alpha-2
UniProt Protein Name	Guanylate cyclase soluble subunit alpha-2
UniProt Gene Name	GUCY1A2
UniProt Synonym Gene Names	GUC1A2; GUCSA2; GCS-alpha-2
UniProt Entry Name	GCYA2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/guanylyl-cyclase-alpha-2-gucy1a2-antibody-immunohistochemistry-western-blot-elisa/286991>