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

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

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289555	**Rabbit**	**Human, mouse (Predicted Reactivity: Rat)**	**Western Blot, Immunohistochemistry, ELISA**

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (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 105-136 amino acids from the N-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	105-136
Sequence Length	753
Applicable Applications for anti-GUCY1A2 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
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

WB (Western Blot)
Western blot analysis of anti-GUCY1A2 Antibody (N-term) in mouse cerebellum tissue lysates (35ug/lane). GUCY1A2 (arrow) was detected using the purified Pab.

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.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/guanylyl-cyclase-alpha-2-gucy1a2-antibody-western-blot-immunohistochemistry-elisa/289555