

Rabbit anti-Human Guanylyl Cyclase alpha 1 (GUCY1A3) Polyclonal Antibody | anti-GUCY1A3 antibody

Guanylyl Cyclase alpha 1 (GUCY1A3) Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289145	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

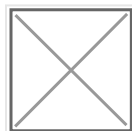
PRODUCT SYNONYMS

Guanylyl Cyclase alpha 1 (GUCY1A3); Polyclonal Antibody; Guanylyl Cyclase alpha 1 (GUCY1A3) Antibody (N-term); Guanylate cyclase soluble subunit alpha-3; GCS-alpha-3; GCS-alpha-1; Soluble guanylate cyclase large subunit; GUCY1A3; GUC1A3; GUCSA3; GUCY1A1; anti-GUCY1A3 antibody

PRODUCT SPECIFICATIONS

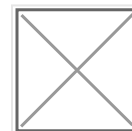
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Guanylyl Cyclase alpha 1 (GUCY1A3) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 269-300 amino acids from the N-terminal region of human Guanylyl Cyclase alpha 1 (GUCY1A3).
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.
Sequence Positions	269-300
Sequence Length	690
Applicable Applications for anti-GUCY1A3 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



WB (Western Blot)

Western blot analysis of anti-GUCY1A3 Pab in mouse brain tissue lysate (35ug/lane). GUCY1A3 (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.



WB (Western Blot)

Western blot analysis of GUCY1A3 (arrow) using GUCY1A3 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the GUCY1A3 gene (Lane 2) (Origene Technologies).

ADDITIONAL INFORMATION

Related Product Information for anti-GUCY1A3 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-GUCY1A3 antibody	Cardiovascular; Signal Transduction
References	Saino, M., et al., Oncol. Rep. 12(1):47-52 (2004). Zhou, Y., et al., Gene 245(2):319-328 (2000). Papapetropoulos, A., et al., J. Cell. Physiol. 167(2):213-221 (1996). Giulili, G., et al., Hum. Genet. 91(3):257-260 (1993). Giulili, G., et al., FEBS Lett. 304(1):83-88 (1992).

NCBI AND UNIPROT INFORMATION

NCBI GI #	67763816
NCBI GeneID	2982
NCBI Accession #	NP_000847.2; NP_001124154.1; NP_001124155.1; NP_001124156.1; NP_001124159.1; NP_001243378.1
NCBI GenBank Nucleotide #	NM_000856.5
UniProt Accession #	Q02108; O43843; Q8TAH3; D3DP19; D6RDW3
Molecular Weight	77452
NCBI Official Full Name	guanylate cyclase soluble subunit alpha-3 isoform A
NCBI Official Synonym Full Names	guanylate cyclase 1, soluble, alpha 3
NCBI Official Symbol	GUCY1A3
NCBI Official Synonym Symbols	GUCA3; MYMY6; GC-SA3; GUC1A3; GUCSA3; GUCY1A1
NCBI Protein Information	guanylate cyclase soluble subunit alpha-3
UniProt Protein Name	Guanylate cyclase soluble subunit alpha-3
UniProt Gene Name	GUCY1A3
UniProt Synonym Gene Names	GUC1A3; GUCSA3; GUCY1A1; GCS-alpha-3
UniProt Entry Name	GCYA3_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.