

Rabbit Guanylate Cyclase beta Polyclonal Antibody | anti-GUCY1B3 antibody

Guanylate Cyclase beta Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA304501	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Guanylate Cyclase beta; Polyclonal Antibody; Guanylate Cyclase beta Antibody; Guanylate Cyclase b Antibody; 4.6.1.2; GC-S-beta-1; GC-SB3; GUC1B3; GUCB3; anti-GUCY1B3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total Guanylate Cyclase b protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	619
Applicable Applications for anti-GUCY1B3 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human Guanylate Cyclase b.
SDS-PAGE MW	70 kD
Target Name	Guanylate Cyclase b
Preparation and Storage	Store at -20°C

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using Guanylate Cyclase b antibody.



WB (Western Blot)

Western blot analysis of extracts from HuvEc cells, using Guanylate Cyclase b antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GUCY1B3 antibody	This gene encodes the beta subunit of the soluble guanylate cyclase (sGC), which catalyzes the conversion of GTP (guanosine triphosphate) to cGMP (cyclic guanosine monophosphate). The encoded protein contains an HNOX domain, which serves as a receptor for ligands such as nitric oxide, oxygen and nitrovasodilator drugs. Alternative splicing results in multiple transcript variants.A. Shimouchi, Am J Physiol Lung Cell Mol Physiol, Nov 1993; 265: 456.Peter Sinnaeve, Circ. Res., Jan 2001; 88: 103.Stephan Thelitz, J. Thorac. Cardiovasc. Surg., May 2004; 127: 1285 - 1292.Richard C. Venema, Am J Physiol Heart Circ Physiol, Jul 2003; 2
Product Categories/Family for anti-GUCY1B3 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504215
NCBI GeneID	2983
NCBI Accession #	NP_000848.1
NCBI GenBank Nucleotide #	NM_000857.3
UniProt Accession #	Q02153; Q86WY5; B7Z426
NCBI Official Full Name	guanylate cyclase soluble subunit beta-1 isoform 2
NCBI Official Synonym Full Names	guanylate cyclase 1, soluble, beta 3
NCBI Official Symbol	GUCY1B3
NCBI Official Synonym Symbols	GUCB3; GC-SB3; GUC1B3; GUCSB3; GUCY1B1; GC-S-beta-1
NCBI Protein Information	guanylate cyclase soluble subunit beta-1
UniProt Protein Name	Guanylate cyclase soluble subunit beta-1
UniProt Gene Name	GUCY1B3
UniProt Synonym Gene Names	GUC1B3; GUCSB3; GUCY1B1; GCS-beta-1; GCS-beta-3
UniProt Entry Name	GCRYB1_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/guanylate-cyclase-beta-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/304501>