

Rabbit GCS alpha-1 Polyclonal Antibody | anti-GUCY1A3 antibody

GCS alpha-1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327516	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

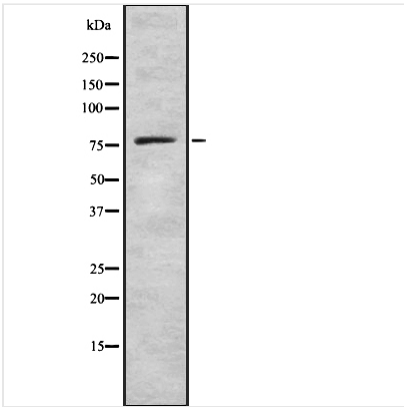
PRODUCT SYNONYMS

GCS alpha-1; Polyclonal Antibody; GCS alpha-1 Antibody; GC S alpha 1; GC SA3; GCS alpha 1; GCS alpha 3; GCS-alpha-1; GCS-alpha-3; GCYA3_HUMAN; Guanylate cyclase 1 soluble alpha 3; Guanylate cyclase soluble subunit alpha 1; Guanylate cyclase soluble subunit alpha 3; Guanylate cyclase soluble subunit alpha-3; Guanylate cyclase; nitric oxide-sensitive; alpha-1 subunit; Guc1a1; GUC1A3; GUCA3; GUCSA3; Gucy1a1; Gucy1a3; MYMY6; nitric oxide-sensitive Guanylate cyclase; NOGC; Soluble guanylate cyclase large subunit; anti-GUCY1A3 antibody

PRODUCT SPECIFICATIONS

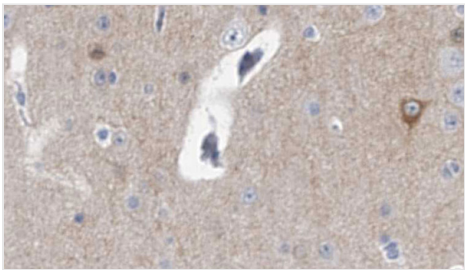
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GCS-alpha-1 antibody detects endogenous levels of total GCS-alpha-1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	690
Applicable Applications for anti-GUCY1A3 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GCS-alpha-1
Subcellular Location	Cytoplasm.
Tissue Specificity	Detected in brain cortex and lung (at protein level).
Predicted Cross Reactivity	Pig, Bovine, Dog
Similarity	Pig (100%), Bovine (100%), Dog (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis GCS alpha-1 using LOVO whole cell lysates



IHC (Immunohistochemistry)

AAA327516 at 1/100 staining Human brain cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-GUCY1A3 antibody	Function: There are two types of guanylate cyclases: soluble forms and membrane-associated receptor forms. Subunit Structure: The active enzyme is formed by a heterodimer of an alpha and a beta subunit. Heterodimer with GUCY1B1 (PubMed:9742212, PubMed:23505436, PubMed:24669844). Similarity: Belongs to the adenylyl cyclase class-4/guanylyl cyclase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	67763816
NCBI GeneID	2982
NCBI Accession #	NP_000847.2
NCBI GenBank Nucleotide #	NM_000856.5
UniProt Accession #	Q02108; O43843; Q8TAH3; D3DP19; D6RDW3
Molecular Weight	Observed: 77 kDa Predicted: 78 kDa
NCBI Official Full Name	guanylate cyclase soluble subunit alpha-1 isoform A
NCBI Official Synonym Full Names	guanylate cyclase 1 soluble subunit alpha 1
NCBI Official Symbol	GUCY1A1
NCBI Official Synonym Symbols	GUCA3; MYMY6; GC-SA3; GUC1A3; GUCSA3; GUCY1A3
NCBI Protein Information	guanylate cyclase soluble subunit alpha-1
UniProt Protein Name	Guanylate cyclase soluble subunit alpha-1
UniProt Gene Name	GUCY1A1
UniProt Synonym Gene Names	GCS-alpha-3

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.