



Mouse anti-Human GUCY1A2 polyclonal antibody (DPAB-DC1507)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Soluble guanylate cyclases are heterodimeric proteins that catalyze the conversion of GTP to 3,5-cyclic GMP and pyrophosphate. The protein encoded by this gene is an alpha subunit of this complex and it interacts with a beta subunit to form the guanylate cyclase enzyme, which is activated by nitric oxide. Two transcript variants encoding different isoforms have been found for this gene.
Immunogen	GUCY1A2 (NP_000846, 296 a.a. ~ 401 a.a) partial recombinant protein with GST tag. The sequence is CENTNIMKNLPQGTSQVPADLRISINTFCRAFPFHLMFDPMSVLQLGEGLRKQLRCDTH KVLKFEDCFEIVSPKVNATFERVLLRLSTPFVIRTKPEASGSENKD
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	GUCY1A2 guanylate cyclase 1, soluble, alpha 2 [Homo sapiens (human)]
Official Symbol	GUCY1A2
Synonyms	GUCY1A2; guanylate cyclase 1, soluble, alpha 2; GC-SA2; GUC1A2; guanylate cyclase soluble subunit alpha-2; GCS-alpha-2;
Entrez Gene ID	2977
Protein Refseq	NP_000846
UniProt ID	P33402
Chromosome Location	11q21-q22
Pathway	Circadian entrainment; Gap junction; Hemostasis; Long-term depression.
Function	GTP binding; guanylate cyclase activity; heme binding;