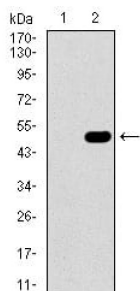
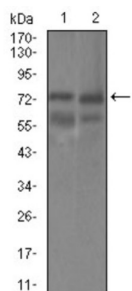


Guanylate Cyclase 1 Soluble Subunit Alpha 1 (GUCY1A1) Antibody

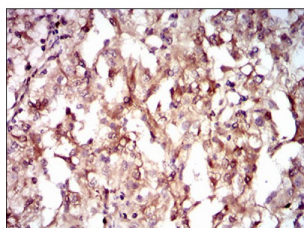
Catalogue No.: abx015882



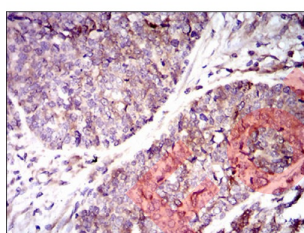
Western blot analysis using GUCY1A1/GUCY1A3 antibody against (1) non-transfected, and (2) GUCY1A1/GUCY1A3 (22-214 AA)-hlgGfc transfected HEK293 cell lysates.



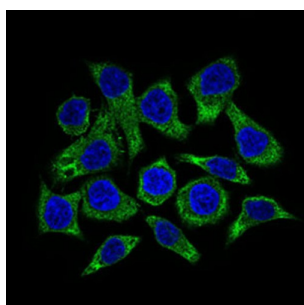
Western blot analysis using GUCY1A1/GUCY1A3 antibody against (1) HEK293, and (2) Raji cell lysate.



Immunohistochemical analysis of paraffin-embedded renal cancer tissues using GUCY1A1/GUCY1A3 antibody with DAB staining.



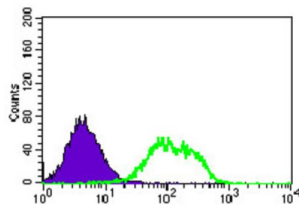
Immunohistochemical analysis of paraffin-embedded esophageal cancer tissues using GUCY1A1/GUCY1A3 antibody with DAB staining.



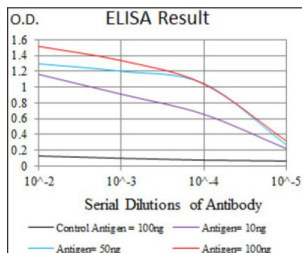
Immunofluorescence analysis of HepG2 cells using GUCY1A1/GUCY1A3 antibody (green). Blue: DRAQ5 fluorescent DNA dye.

Datasheet

Version: 3.0.0
Revision date: 24 Jun 2025



Flow cytometric analysis of HEK293 cells using GUCY1A1/GUCY1A3 antibody (green) and negative control (purple).



ELISA analysis. Red: Control Antigen (100 ng); Purple: Antigen (10 ng); Green: Antigen (50 ng); Blue: Antigen (100 ng).

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. Several transcript variants encoding a few different isoforms have been found for this gene.

Target:	Guanylate Cyclase 1 Soluble Subunit Alpha 1 (GUCY1A1)
Clonality:	Monoclonal
Reactivity:	Human
Tested Applications:	ELISA, WB, IHC, IF/ICC, FCM
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, IF/ICC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human GUCY1A3 (22-214 AA) expressed in E. coli.
Isotype:	IgG ₁
Form:	Liquid
Purification:	Purified from ascites by Protein G chromatography.

Datasheet

Version: 3.0.0
Revision date: 24 Jun 2025



Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: Q02108 ([UniProt](#), [ExPASy](#))

Gene Symbol: GUCY1A1

GeneID: [2982](#)

OMIM: [139396](#)

HGNC: 4685

KEGG: hsa:2982

Ensembl: ENSG00000164116

String: [9606.ENSP00000296518](#)

Molecular Weight: 77.5 kDa

Buffer: PBS, containing 0.05% sodium azide.

Concentration: 1 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.