

Product Name: GUCY1A3 Mouse Monoclonal Antibody**Catalog #: AMM83052**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	77.5kDa

Antigen Information

Gene Name	GUCY1A3
Alternative Names	GUCA3; GC-SA3; GUC1A3; GUCSA3; GUCY1A1
Gene ID	2982.0
SwissProt ID	Q02108
Immunogen	Purified recombinant fragment of human GUCY1A3 (AA: 22-214) expressed in E. Coli.

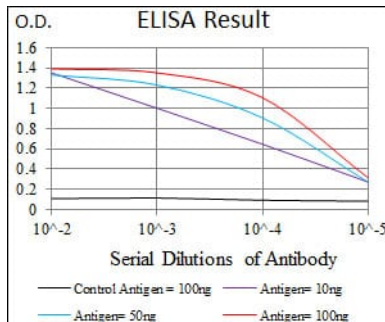
Background

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

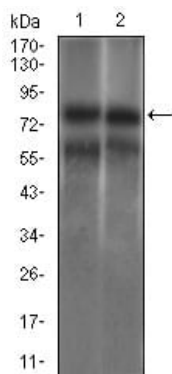
isoforms have been found for this gene.

Research Area

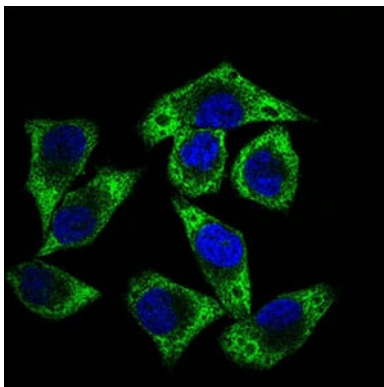
Image Data



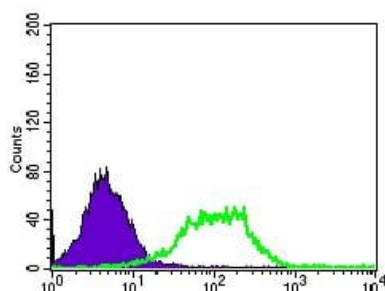
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



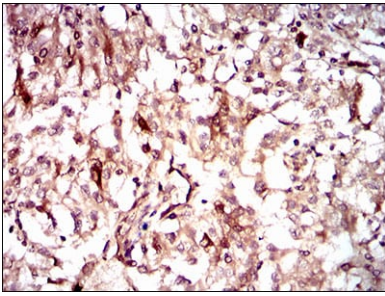
Western blot analysis using GUCY1A3 mouse mAb against HEK293 (1) and Jurkat (2) cell lysate.



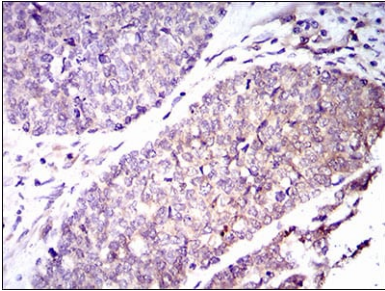
Immunofluorescence analysis of HepG2 cells using GUCY1A3 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



Flow cytometric analysis of HEK293 cells using GUCY1A3 mouse mAb (green) and negative control (purple).



Immunohistochemical analysis of paraffin-embedded human renal cancer tissues using GUCY1A3 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human esophageal cancer tissues using GUCY1A3 mouse mAb with DAB staining.