

**GUCY1A3 Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2287a****Specification****GUCY1A3 Antibody - Product Information**

Application	E, WB, IF, FC, IHC
Primary Accession	<a href="#">Q02108</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	77.5kDa KDa

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

**Immunogen**

Purified recombinant fragment of human GUCY1A3 (AA: 22-214) expressed in E. Coli.

**Formulation**

Purified antibody in PBS with 0.05% sodium azide

**GUCY1A3 Antibody - Additional Information****Gene ID 2982****Other Names**

Guanylate cyclase soluble subunit alpha-3, GCS-alpha-3, 4.6.1.2, GCS-alpha-1, Soluble guanylate cyclase large subunit, GUCY1A3, GUC1A3, GUCSA3, GUCY1A1

**Dilution**

E~~1/10000  
WB~~1/500 - 1/2000  
IF~~1/200 - 1/1000  
FC~~1/200 - 1/400  
IHC~~1/200 - 1/1000

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

GUCY1A3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**GUCY1A3 Antibody - Protein Information**

**Name** GUCY1A1 ([HGNC:4685](#))

**Cellular Location**

Cytoplasm.

**Tissue Location**

Detected in brain cortex and lung (at protein level).

**GUCY1A3 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)