Mouse anti GUCY1B3 Monoclonal Antibody

Alternative Name(s): GC-S-beta-1, GC-SB3, GUC1B3, GUCB3, GUCSB3, GUCY1B1

Order Information

- **Description:** GUCY1B3 (GCS-b-1)
- **Catalogue:** 604-980
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** GC11
- **Application:** IHC(P)
- **Reactivity:** Hu

ANTIGEN PREPARATION

A synthetic peptide of C-terminus of human GUCY1B3

BACKGROUND

GUCY1B, guanylate cyclase 1 soluble subunit beta 3 is a beta subunit of the soluble guanylate cyclase (sGC), which catalyzes the conversion of GTP (guanosine triphosphate) to cGMP (cyclic guanosine monophosphate). It protein contains an HNOX domain, which serves as a receptor for ligands such as nitric oxide, oxygen and nitrovasodilator drugs.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human GUCY1B3 (GCS-b-1) protein. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

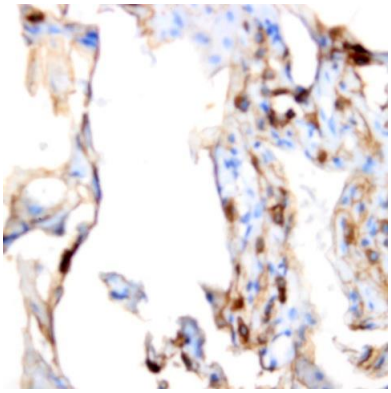
APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 71.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

AbboMax, Inc 2528 Qume Drive, Suite 8, San Jose, California 95131, USA
1 408-573-1898 (Tel). 1 408-573-1858 (Fax). www.abbomax.com info@abbomax.com

DATA ATTACHMENTS



Immunohistochemistry: Human lung tissue (FFPE) stained with Mouse anti-GUCY1B3/GCS-b-1 (Cat# 604-980) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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