



Mouse anti GLEPP-1 Monoclonal Antibody

Alternative Name(s): Glomerular Epithelial Protein 1; NPHS6; PTPU2; GLEPP1; PTP-OC; PTP-U2; PTPROT; R-PTP-O

Order Information

- **Description:** GLEPP-1
- **Catalogue:** 603-900
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** 5F3F8
- **Application:** IHC(P), WB
- **Reactivity:** Hu

ANTIGEN PREPARATION

The recombinant fusion protein made from part of the extracellular domain of human GLEPP-1.

BACKGROUND

Glomerular Epithelial Protein 1 (GLEPP1) is a transmembrane protein tyrosine phosphatase found only in the epithelial cells of the renal glomerulus. It is localized to the apical surface of polarized cells and may have tissue-specific functions through activation of Src family kinases. It may have multiple isoform-specific and tissue-specific functions, including the regulation of osteoclast production and activity, inhibition of cell proliferation and facilitation of apoptosis. This gene is a candidate tumor suppressor, and decreased expression of this gene has been observed in several types of cancer. GLEPP-1 is present only in visceral glomerular cells (Podocytes). The presence of GLEPP1 may be used as a marker of podocyte integrity in various forms of glomerular injury.

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 GLEPP-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: ~130
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

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

FOR RESEARCH USE ONLY.

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: The human kidney tissue (FFPE) stained with Mouse GLEPP-1 monoclonal antibody (Cat#603-900) at 1:100 using AEC chromogen. (Note: formalin-fixed, paraffin-embedded sections need 15 minutes heat-induced epitope retrieval in 10 mM citrate buffer, pH 6.0, and 30 minutes incubation at room temperature with the primary antibody).

REFERENCES

FOR RESEARCH USE ONLY.

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