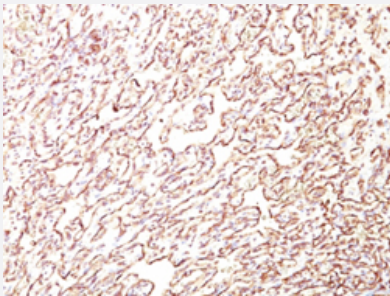


PODXL monoclonal antibody, clone 4F10

Catalog # MAB14398 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human angiosarcoma with PODXL monoclonal antibody, clone 4F10 (Cat # MAB14398).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human PODXL.
Immunogen	Recombinant protein corresponding to intracellular, transmembrane, and part of the extracellular domain of human PODXL.
Host	Mouse
Theoretical MW (kDa)	165-170
Reactivity	Human
Form	Liquid
Isotype	IgM, kappa
Recommend Usage	Flow Cytometry (1-2 ug/million cells) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL for 30 min at RT) (Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA , pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% sodium azide).

Storage Instruction

Store at 4°C.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human angiosarcoma with PODXL monoclonal antibody, clone 4F10 (Cat # MAB14398).

- Immunofluorescence

- Flow Cytometry

Gene Info — PODXL

Entrez GeneID[5420](#)**Protein Accession#**[O00592](#)**Gene Name**

PODXL

Gene Alias

Gp200, MGC138240, PC, PCLP

Gene Description

podocalyxin-like

Omim ID[602632](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a member of the sialomucin protein family. The encoded protein was originally identified as an important component of glomerular podocytes. Podocytes are highly differentiated epithelial cells with interdigitating foot processes covering the outer aspect of the glomerular basement membrane. Other biological activities of the encoded protein include: binding in a membrane protein complex with Na⁺/H⁺ exchanger regulatory factor to intracellular cytoskeletal elements, playing a role in hematopoietic cell differentiation, and being expressed in vascular endothelium cells and binding to L-selectin. [provided by RefSeq]

Other Designations

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Disease

- [Genetic Predisposition to Disease](#)
- [Neoplasm Invasiveness](#)
- [Ovarian Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)