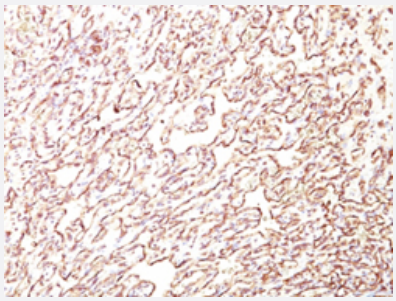
PODXL monoclonal antibody, clone 4F10

Catalog # MAB14397 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 # MAB14397).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human PODXL.
Immunogen	Recombinant protein corresponding to intracellular, transmembrane, and part of the extracellular dom ain of human PODXL.
Host	Mouse
Theoretical MW (kDa)	165-170
Reactivity	Human
Form	Liquid
Purification	PEG precipitation
Isotype	IgM
Recommend Usage	Flow Cytometry (0.5-1 ug/10^6 cells in 0.1 mL) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).

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Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d 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 # MAB14397).

- 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 originall y identified as an important component of glomerular podocytes. Podocytes are highly differentiat ed epithelial cells with interdigitating foot processes covering the outer aspect of the glomerular b asement membrane. Other biological activities of the encoded protein include: binding in a memb rane protein complex with Na+/H+ exchanger regulatory factor to intracellular cytoskeletal element s, playing a role in hematopoetic cell differentiation, and being expressed in vascular endothelium cells and binding to L-selectin. [provided by RefSeq
Other Designations	-

Disease

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- Genetic Predisposition to Disease
- Neoplasm Invasiveness
- Ovarian Neoplasms
- Prostate cancer
- Prostatic Neoplasms

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