

Podocalyxin Antibody

Catalog No: tcna700



Available Sizes

Size: 20ug

Size: 100ug



Specifications

Application:

FACS, IF, IHC-P

Species Reactivity:

Human, Rabbit, Rat. Other species not tested.

Host Species:

Mouse

Immunogen / Amino acids:

A recombinant protein fragment containing the intracellular, transmembrane, and part of the extracellular domain of human PODXL was used as the immunogen for the Podocalyxin antibody.

Conjugation:

Unconjugated

Clonality:

Monoclonal

Clones:

2A4

Isotype:

Mouse IgM

Form:

Liquid

Storage Buffer:

0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide

Recommended Dilution:

Flow Cytometry: 0.5-1ug/million cells in 0.1ml

Immunofluorescence: 1-2ug/ml

Immunohistochemistry (FFPE): 0.5-1ug/ml for 30 min at RT (1)

Prediluted format: incubate for 30 min at RT (2) Optimal dilution of the Podocalyxin antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer

pH 6.0

for 10-20 min followed by cooling at RT for 20 min

2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required)

drip mAb solution onto the tissue section and incubate at RT for 30 min.

Storage Instruction:

Store the Podocalyxin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

SwissProt:

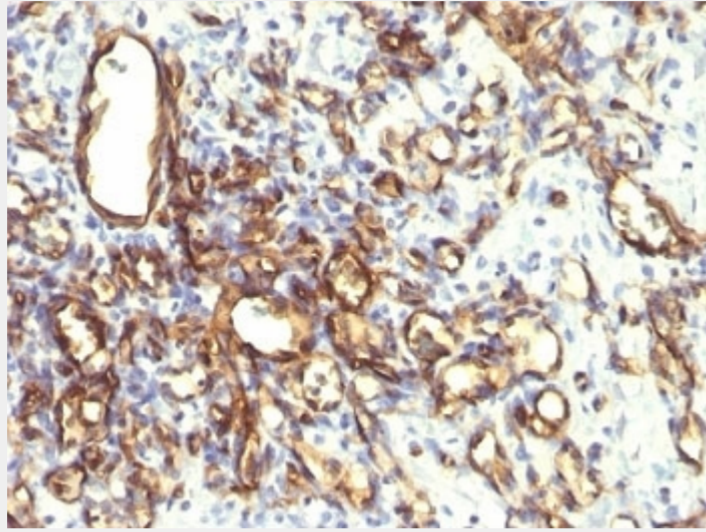
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References

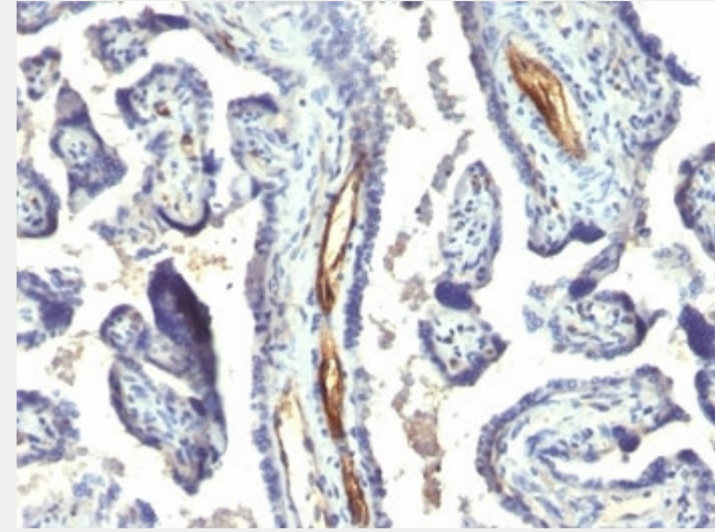
PEG precipitation

Product Description

Podocalyxin/PODXL is a member of the CD34 transmembrane sialomucin family. It is over-expressed on the podocyte foot projections and plays essential roles in kidney development and homeostasis, blood filtration and urine formation. It is also expressed on vascular endothelia, hematopoietic progenitors and a subset of neurons. Overexpression of podocalyxin may be linked to more aggressive tumor behavior. Podocalyxin antibody can identify podocytes in the urine (podocyturia) that may indicate glomerular disease, pre-eclampsia, and other kidney pathology.



Formalin-fixed, paraffin-embedded human angiosarcoma stained with Podocalyxin antibody (2A4).



Formalin-fixed, paraffin-embedded human placenta stained with Podocalyxin antibody (2A4).

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!