

# Podocalyxin Antibody

Catalog No: tcna700



## Available Sizes

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**Size:** 20ug

**Size:** 100ug



## Specifications

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**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

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**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.

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**Storage Instruction:**

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

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**SwissProt:**

O00592

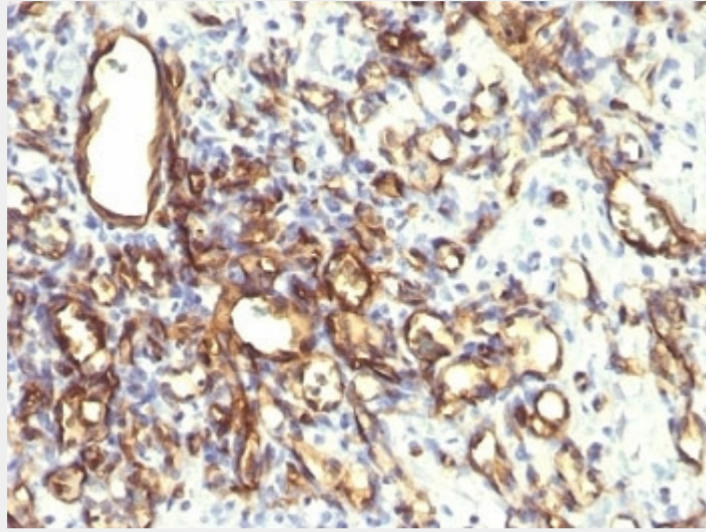
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**References**

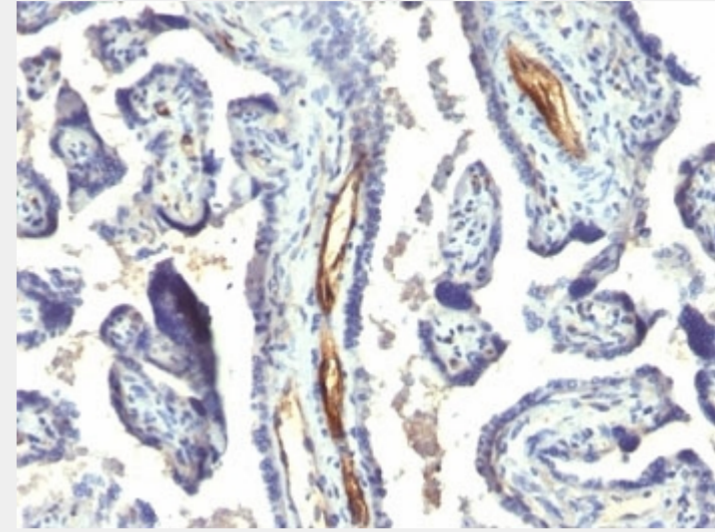
PEG precipitation

**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!