

Datasheet for ABIN3025406

anti-PODXL antibody (Extracellular Domain)[Go to Product page](#)**3** Images

Overview

Quantity:	100 µg
Target:	PODXL
Binding Specificity:	Extracellular Domain
Reactivity:	Human, Rat, Rabbit
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PODXL antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunoprecipitation (IP), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	A human recombinant protein fragment containing the intracellular, transmembrane, and part of the extracellular domain was used as the immunogen for the Podocalyxin antibody.
Clone:	3D3
Isotype:	IgG1
Purification:	Protein G affinity chromatography

Target Details

Target:	PODXL
Alternative Name:	Podocalyxin (PODXL Products)

Target Details

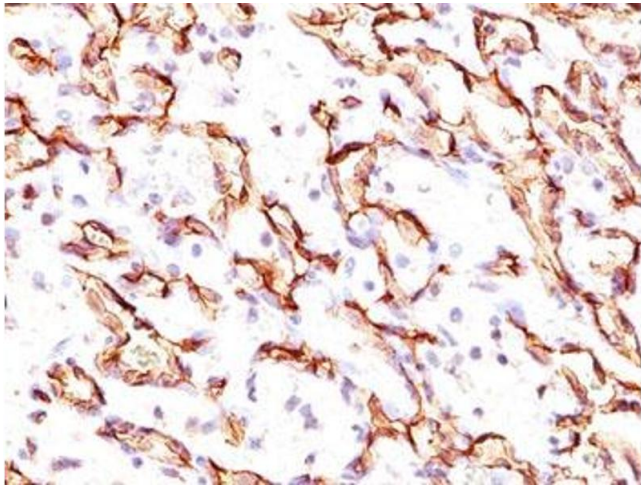
Background:	Podocalyxin is a member of the CD34 transmembrane sialomucin family. It is over-expressed on the podocyte foot projections and plays essential roles in kidney development and homeostasis, blood filtration and urine formation. It is also expressed on vascular endothelia, hematopoietic progenitors and a subset of neurons. Overexpression 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.
Gene ID:	5420
Pathways:	Tube Formation

Application Details

Application Notes:	The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the Podocalyxin antibody to be titrated up or down for optimal performance. 1. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. 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.\. FACS: 0.5-1 µg/million cells,IF: 1-2 µg/mL,IP: 1-2 µg/500 µg protein,WB: 0.5-1 µg/mL,IHC (FFPE): 0.5-1 µg/mL for 30 min at RT (1),Prediluted format : incubate for 30 min at RT (2)
Restrictions:	For Research Use only

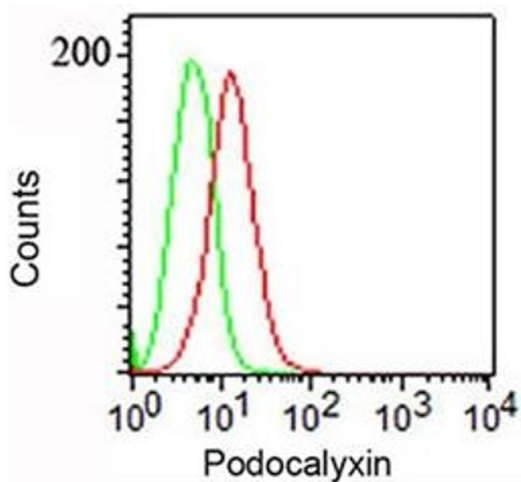
Handling

Concentration:	1 mg/mL
Buffer:	1 mg/mL in 1X PBS, BSA free, sodium azide free
Preservative:	Azide free
Storage:	4 °C,-20 °C
Storage Comment:	Store the Podocalyxin antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



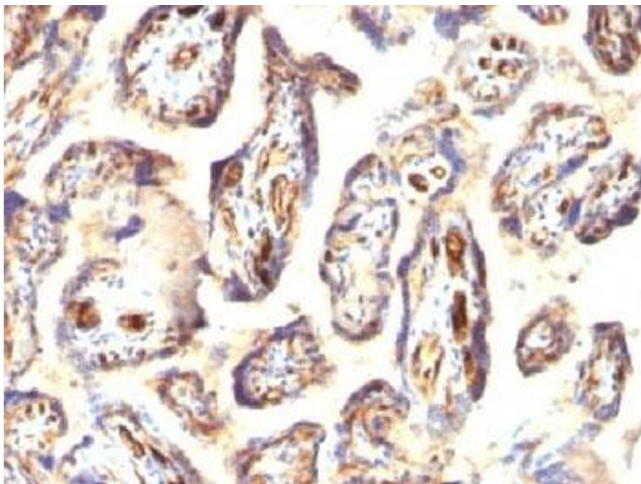
Immunohistochemistry

Image 1. IHC testing of angiosarcoma stained with Podocalyxin antibody.



Flow Cytometry

Image 2. FACS surface staining of NCCIT cells with Podocalyxin antibody



Immunohistochemistry

Image 3. IHC testing of FFPE human placenta with Podocalyxin antibody