

Datasheet for ABIN6940327

anti-PODXL antibody (Extracellular Domain)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	PODXL
Binding Specificity:	Extracellular Domain
Reactivity:	Human, Rat, Rabbit
Host:	Mouse
Clonality:	Monoclonal
Application:	Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF), Staining Methods (StM)

Product Details

Immunogen:	A recombinant protein fragment containing the intracellular, transmembrane, and part of the extracellular domain of human podocalyxin
Clone:	4F10
Isotype:	IgM kappa

Target Details

Target:	PODXL
Alternative Name:	PODXL (PODXL Products)
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,

Target Details

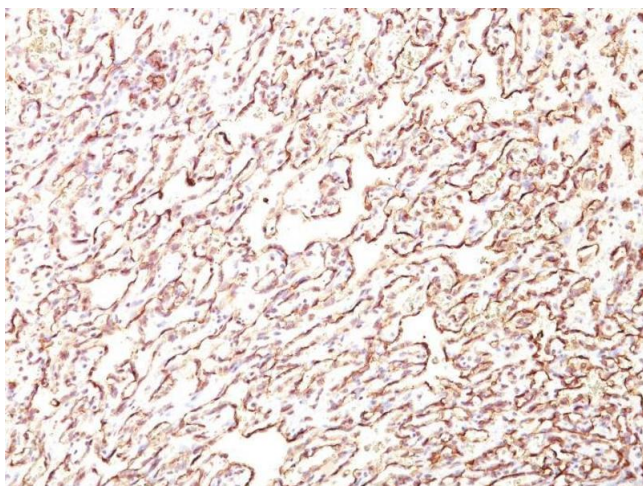
	hematopoietic progenitors and a subset of neurons. Overexpression of podocalyxin may be linked to more aggressive tumor behavior. Podocalyxin antibody can identify podocytes in the urine (podocyturia) that may indicate glomerular disease, pre-eclampsia, and other kidney pathology.
Molecular Weight:	165-170kDa
Gene ID:	5420
UniProt:	O00592
Pathways:	Tube Formation

Application Details

Application Notes:	Positive Control: HeLa, Raji, Jurkat cells, Angiosarcoma, Breast, Prostate, Liver, Pancreatic, Kidney. Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 min at RT)(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)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human Angiosarcoma stained with Podocalyxin Monoclonal Antibody (4F10).