

Datasheet for ABIN6180264

anti-PODXL antibody (Extracellular Domain) (CF®405S)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	PODXL
Binding Specificity:	Extracellular Domain
Reactivity:	Human, Rat, Rabbit
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PODXL antibody is conjugated to CF®405S
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunoprecipitation (IP), Immunofluorescence (IF), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Purpose:	Mouse Monoclonal anti-Podocalyxin (3D3), CF405S Conjugate
Immunogen:	A recombinant protein fragment containing the intracellular, transmembrane, and part of the extracellular domain of human podocalyxin
Clone:	3D3
Isotype:	IgG1
Characteristics:	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 of podocalyxin may be linked to more aggressive tumor behavior. Podocalyxin antibody can identify podocytes in the

Product Details

urine (podocyturia) that may indicate glomerular disease, pre-eclampsia, and other kidney pathology. Primary antibodies are available purified, or with a selection of fluorescent CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	PODXL
Alternative Name:	Podocalyxin (PODXL Products)
Background:	PODXL, PDXL, GCTM-2, Gp200, PCLP1, Pcx, Podocalyxin-like protein 1
Molecular Weight:	165-170 kDa
Gene ID:	5420, 732423
UniProt:	O00592
Pathways:	Tube Formation

Application Details

Application Notes:	Immunohistology formalin-fixed 0.5-1 µg/mL • 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 • Flow Cytometry 0.5-1 µg/million cells/0.1 mL • Immunofluorescence 1-2 µg/mL • Western blotting 0.5-1 µg/mL • Immunoprecipitation 1-2 µg/500 µg protein • Optimal dilution for a specific application should be determined by user
Comment:	HeLa, Raji, Jurkat cells, Angiosarcoma, Breast, Prostate, Liver, Pancreatic, Kidney
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	100 µg/mL
Buffer:	PBS/0.1 % BSA/0.05 % azide

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Protect from light