Datasheet for ABIN7658755

anti-PODXL antibody (AA 310-447)

Go to Product page

Overview

Quantity:	50 µL
Target:	PODXL
Binding Specificity:	AA 310-447
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PODXL antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	Podocalyxin (PODXL) (Hematopoietic Stem Cell Marker) (PODXL/2185)
Immunogen:	Recombinant fragment of human Podocalyxin (around aa 310-447)
Clone:	PODXL-2185
Isotype:	IgG1
Characteristics:	Podocalyxin is a member of the CD34 transmembrane sialomucin family. It is highly 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

Product Details

	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
Background:	Synonyms: PODXL, PDXL, GCTM-2, Gp200, PCLP1, Pcx, Podocalyxin-like protein 1 Gene Symbol: PODXL Tissue Expression: Kidney
Molecular Weight:	165-170 kDa
Gene ID:	5420
UniProt:	O00592
Pathways:	Tube Formation

Application Details

Application Notes:	Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Immunohistology (formalin): 1-2 µg/mL for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 minutes followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined by user
Comment:	Positive Control: HeLa, Raji, Jurkat cells, Angiosarcoma, Breast, Prostate, Liver, Pancreatic, Kidney
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS, no BSA, no azide

Handling

Preservative:	Without preservative
Storage:	-20 °C
Storage Comment:	Stable at room temperature or 37°C for 7 days. Store at -20 °C. Protect fluorescent conjugates from light
Expiry Date:	24 months