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36-2948: Anti-Podocalyxin (PODXL) (Hematopoietic Stem Cell Marker) Monoclonal Antibody(Clone: PODXL/2184)

Clonality :	Monoclonal
Clone Name :	PODXL/2184
Application :	IHC
Reactivity :	Human
Gene :	PODXL
Gene ID :	5420
Uniprot ID :	O00592
Alternative Name :	PODXL, PDXL, GCTM-2; Gp200; PCLP1; Pcx; Podocalyxin-like protein 1
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant fragment of human Podocalyxin (around aa 310-447) (exact sequence is proprietary)

Description

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 urine (podocyturia) that may indicate glomerular disease, pre-eclampsia, and other kidney pathology.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	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.

Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

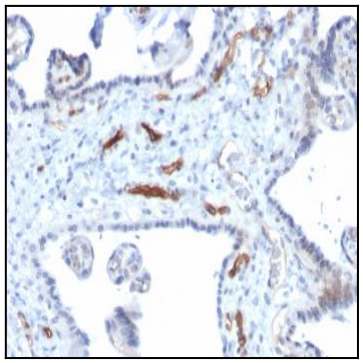


Fig. 1: Formalin-fixed, paraffin-embedded human Placenta stained with Podocalyxin Mouse Monoclonal Antibody (PODXL/2184).

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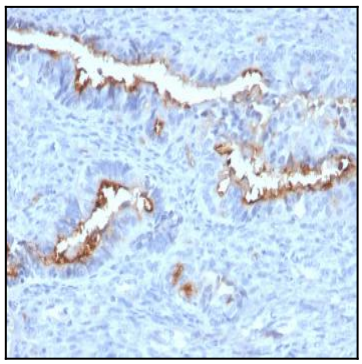


Fig. 2: Formalin-fixed, paraffin-embedded human Endometrium stained with Podocalyxin Mouse Monoclonal Antibody (PODXL/2184).

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