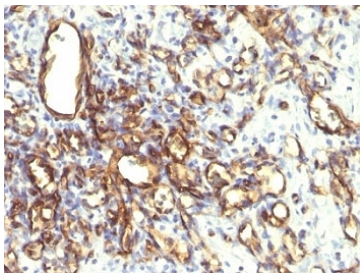
Podocalyxin Antibody [clone 2A4] (V2792)

Catalog No.	Formulation	Size
V2792-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2792-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2792SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2792IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

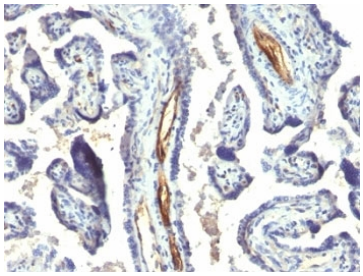
Citations (3)

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgM
Clone Name	2A4
Purity	PEG precipitation
UniProt	O00592
Gene ID	5420
Localization	Cell surface and cytoplasmic
Applications	Immunohistochemistry (FFPE): 0.5-1ug/ml for 30 min at RT Western blot: 1-2ug/ml
Limitations	This Podocalyxin antibody is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human angiosarcoma stained with Podocalyxin antibody (2A4).



Formalin-fixed, paraffin-embedded human placenta stained with Podocalyxin antibody (2A4).

Description

Podocalyxin/PODXL 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.

Application Notes

Optimal dilution of the Podocalyxin antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min
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.

Immunogen

A recombinant protein fragment containing the intracellular, transmembrane, and part of the extracellular domain of human PODXL was used as the immunogen for the Podocalyxin antibody.

Storage

Store the Podocalyxin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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