

Product Datasheet

Podocalyxin Like Antibody (2A4) NBP2-45169-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-45169-0.1mg

Podocalyxin Like Antibody (2A4)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	2A4
Preservative	0.05% Sodium Azide
Isotype	IgM Kappa
Purity	Protein L or PEG purified
Buffer	10 mM PBS with 0.05% BSA

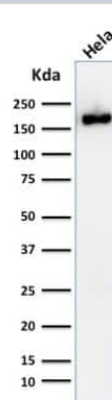
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47750) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	5420
Gene Symbol	PODXL
Species	Human, Rat, Rabbit
Marker	Hematopoietic Stem Cell Marker
Specificity/Sensitivity	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.
Immunogen	A recombinant protein fragment containing the intracellular, transmembrane, and part of the extracellular domain of human Podocalyxin Like (Uniprot: O00592)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Immunofluorescence 1:25 - 1:50
Application Notes	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 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

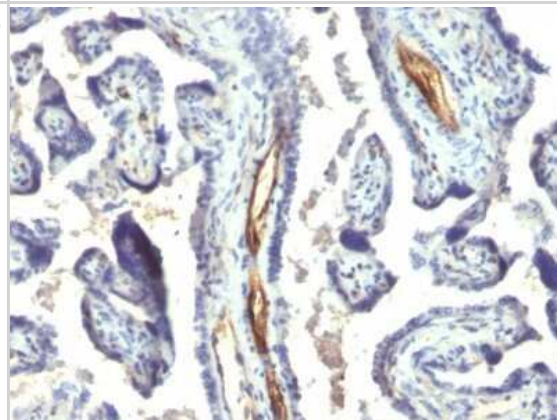


Images

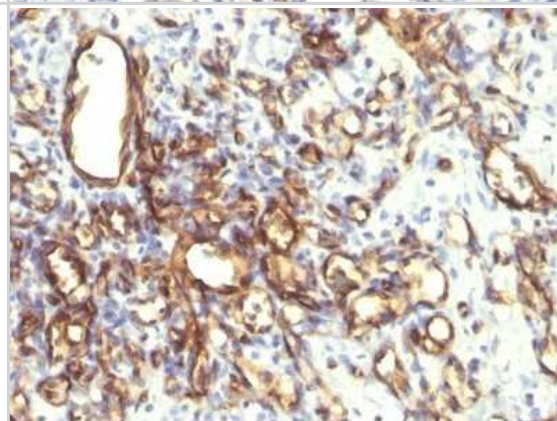
Western Blot: Podocalyxin Like Antibody (2A4) [NBP2-45169] - Western Blot Analysis of HeLa cell lysate using Podocalyxin Like Antibody (2A4).



Immunohistochemistry-Paraffin: Podocalyxin Like Antibody (2A4) [NBP2-45169] - Human Placenta stained with Podocalyxin Monoclonal Antibody (2A4).



Immunohistochemistry-Paraffin: Podocalyxin Like Antibody (2A4) [NBP2-45169] - Human Angiosarcoma stained with Podocalyxin Monoclonal Antibody (2A4).



Publications

Yin T, Du R, Wang Y Et al. Two-stage degradation and novel functional endothelium characteristics of a 3-D printed bioresorbable scaffold Bioact Mater 2021-12-13 [PMID: 34901554]



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Products Related to NBP2-45169-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96975-0.5mg	Mouse IgM Kappa Light Chain Isotype Control (MMK)
NB110-41503PEP	Podocalyxin Like Antibody Blocking Peptide

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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