

Product Datasheet

Podocalyxin Like Antibody (PODXL/2185) NBP2-79749-100ug

Unit Size: 100 ug

Store at 4C.

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NBP2-79749-100ug

Podocalyxin Like Antibody (PODXL/2185)

Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	PODXL/2185
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA

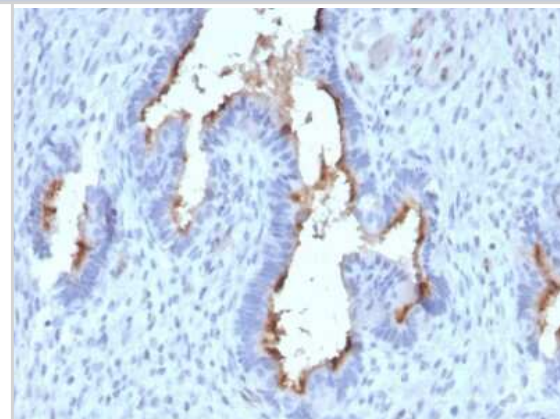
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-79884) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	5420
Gene Symbol	PODXL
Species	Human
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	Recombinant fragment of human Podocalyxin Like (around aa 310-447) (exact sequence is proprietary) (Uniprot: O00592)

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array
Recommended Dilutions	Immunohistochemistry 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Protein Array
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.

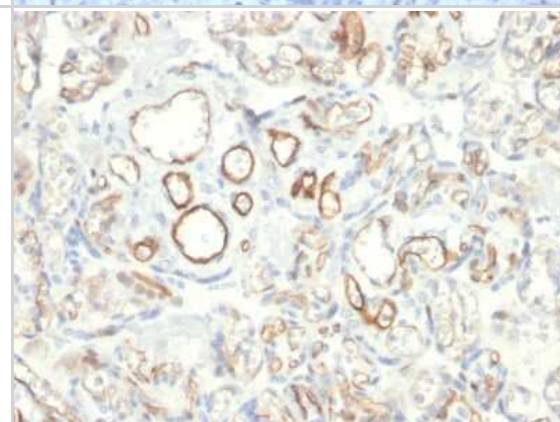


Images

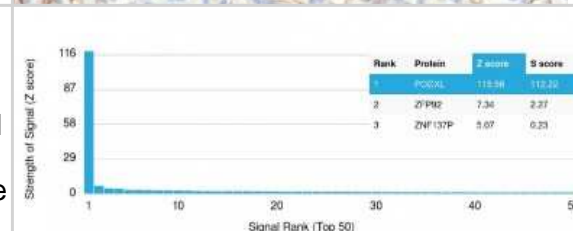
Immunohistochemistry-Paraffin: Podocalyxin Like Antibody (PODXL/2185) [NBP2-79749] - Formalin-fixed, paraffin-embedded human Endometrium stained with Podocalyxin Like Antibody (PODXL/2185).



Immunohistochemistry-Paraffin: Podocalyxin Like Antibody (PODXL/2185) [NBP2-79749] - Formalin-fixed, paraffin-embedded human Placenta stained with Podocalyxin Like Antibody (PODXL/2185).



Protein Array: Podocalyxin Like Antibody (PODXL/2185) [NBP2-79749] - Analysis of Protein Array containing more than 19,000 full-length human proteins using Podocalyxin Like Antibody (PODXL/2185). Z- and S-Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5.



Publications

Lin Z, Zhang X, Fritch MR Et al. Engineering pre-vascularized bone-like tissue from human mesenchymal stem cells through simulating endochondral ossification Biomaterials 2022-03-08 [PMID: 35259584] (IHC-P, Human)

Details:

Citation using the Alexa Fluor 594 version of this antibody.



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Products Related to NBP2-79749-100ug

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
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.

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