

Product Datasheet

Podocalyxin Like Antibody - BSA Free NBP1-83348

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-83348

Podocalyxin Like Antibody - BSA Free

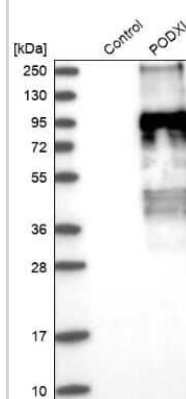
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	5420
Gene Symbol	PODXL
Species	Human
Reactivity Notes	Reactivity reported in scientific literature (PMID: 22814396)
Marker	Podocytes /Apical Marker, Endothelial Cell Marker
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: LPETMSSSPTAASTTHRYPKTPSPTVAHESNWAKCEDLETQTQSEKQLVLNLT GNTLCAGGASDEKLISLICRAVKATFNPAQDKCGIRLASVPGSQTVVVKEITIHT KLPAKDVYERLKD KWDELKEAGVSDMKLGD

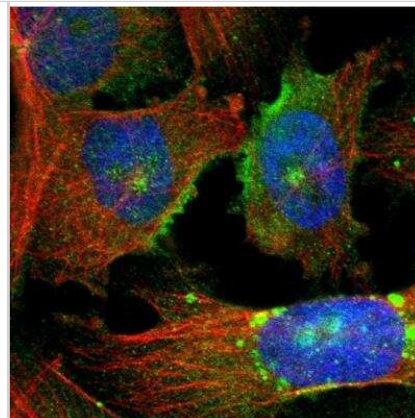
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

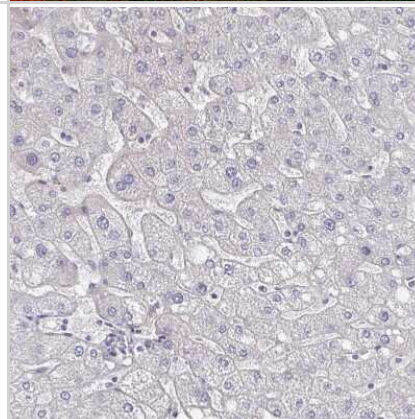
Western Blot: Podocalyxin Like Antibody [NBP1-83348] - Analysis in control (vector only transfected HEK293T lysate) and PODXL over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



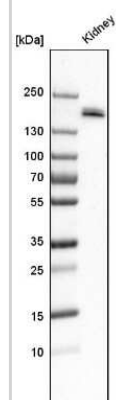
Immunocytochemistry/Immunofluorescence: Podocalyxin Like Antibody [NBP1-83348] - Staining of human cell line U-251 MG shows localization to nucleoli, plasma membrane, microtubule organizing center & vesicles. Antibody staining is shown in green.



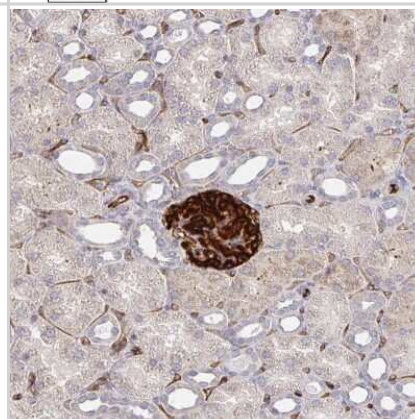
Immunohistochemistry-Paraffin: Podocalyxin Like Antibody [NBP1-83348] - Staining of human liver shows no positivity in hepatocytes as expected.



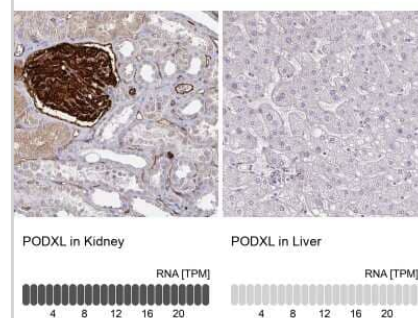
Western Blot: Podocalyxin Like Antibody [NBP1-83348] - Analysis in human kidney tissue.



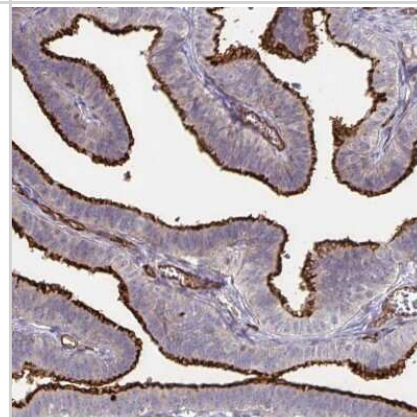
Immunohistochemistry-Paraffin: Podocalyxin Like Antibody [NBP1-83348] - Staining of human kidney shows high expression.



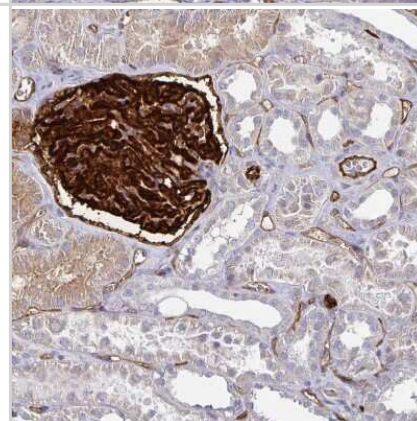
Immunohistochemistry-Paraffin: Podocalyxin Like Antibody [NBP1-83348] - Analysis in human kidney and liver tissues. Corresponding Podocalyxin Like RNA-seq data are presented for the same tissues.



Immunohistochemistry-Paraffin: Podocalyxin Like Antibody [NBP1-83348] - Staining of human fallopian tube shows strong positivity in cilia in glandular cells.



Immunohistochemistry-Paraffin: Podocalyxin Like Antibody [NBP1-83348] - Staining of human kidney shows strong membranous positivity in cells in glomeruli.



Publications

Behairy MA, Shakweer MM, El Said TW, ElGharbawy NH. Value of immunohistochemical expression of podocalyxin in active lupus nephritis. *Nefrologia* 2018-01-01 [PMID: 28757276] (Human)

Saukkonen K, Hagstrom J, Mustonen H et al. Podocalyxin Is a Marker of Poor Prognosis in Pancreatic Ductal Adenocarcinoma. *PLoS One* 2015-01-01 [PMID: 26053486] (IF/IHC, Human)

Heby M, Elebro J, Nodin B et al. Prognostic and predictive significance of podocalyxin-like protein expression in pancreatic and periampullary adenocarcinoma. *BMC Clin Pathol* 2015-01-01 [PMID: 26028992] (IF/IHC, Human)

Forsstrom B, Axnas BB, Stengele KP et al. Proteome-wide Epitope Mapping of Antibodies Using Ultra-dense Peptide Arrays. *Mol Cell Proteomics* 2014-06-01 [PMID: 24705123]

Boman K, Larsson AH, Segersten U et al. Membranous expression of podocalyxin-like protein is an independent factor of poor prognosis in urothelial bladder cancer. *Br J Cancer* 2013-06-11 [PMID: 23652315] (IF/IHC)

Dallas MR, Chen SH, Streppel MM et al. Sialofucosylated podocalyxin is a functional E- and L-selectin ligand expressed by metastatic pancreatic cancer cells. *Am J Physiol Cell Physiol* 2012-09-15 [PMID: 22814396]

Larsson A, Johansson ME, Wangefjord S et al. Overexpression of podocalyxin-like protein is an independent factor of poor prognosis in colorectal cancer. *Br J Cancer* 2011-08-01 [PMID: 21829192]

Cheung HH, Davis AJ, Lee TL et al. Methylation of an intronic region regulates miR-199a in testicular tumor malignancy. *Oncogene* 2011-08-01 [PMID: 21383689]





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Products Related to NBP1-83348

NBP1-83348PEP	Podocalyxin Like Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

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