

Product Datasheet

Podoplanin Antibody - BSA Free NBP1-90211

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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NBP1-90211

Podoplanin Antibody - BSA Free

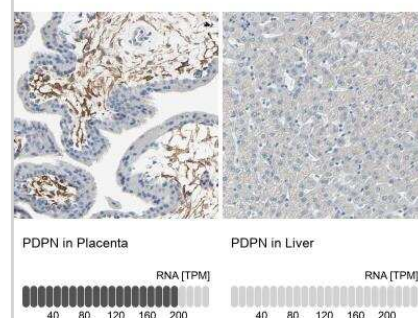
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	10630
Gene Symbol	PDPN
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 26030524).
Marker	Lymphatic Endothelium Marker
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: RLPRVWEARAPSLSGAPAPTPPAPPPSRSSRLGLWPRCFLIFPQLRILLGPE SNNSTGTMWKVSALLFVLGSASLWVLAEGASTGQPEDDTEETTGLEGGVAMPG AEDDVVTPGTSEDRYKSGLTTLVATSVNS

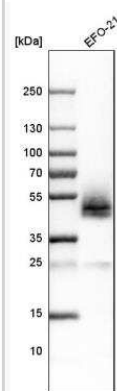
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

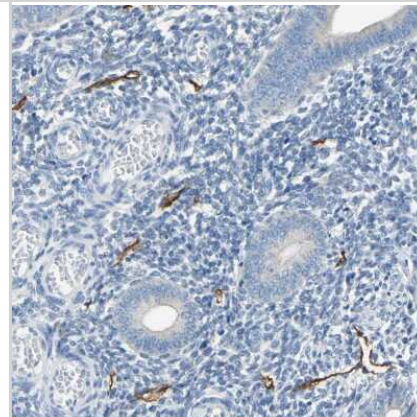
Immunohistochemistry-Paraffin: Podoplanin Antibody [NBP1-90211] - Staining in human placenta and liver tissues . Corresponding PDPN RNA-seq data are presented for the same tissues.



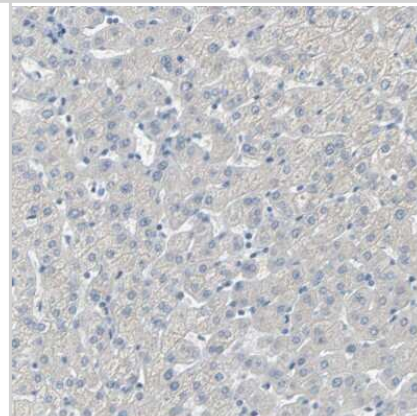
Western Blot: Podoplanin Antibody [NBP1-90211] - Analysis in human cell line EFO-21.



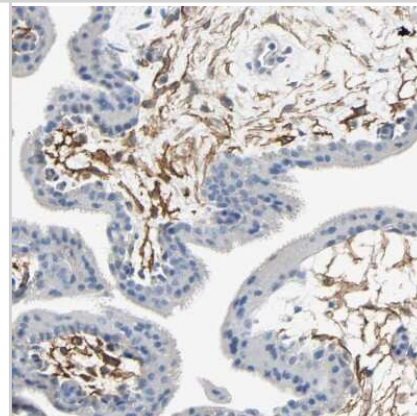
Immunohistochemistry-Paraffin: Podoplanin Antibody [NBP1-90211] - Staining of human endometrium shows moderate membranous positivity in endothelium of lymphatic vessels.



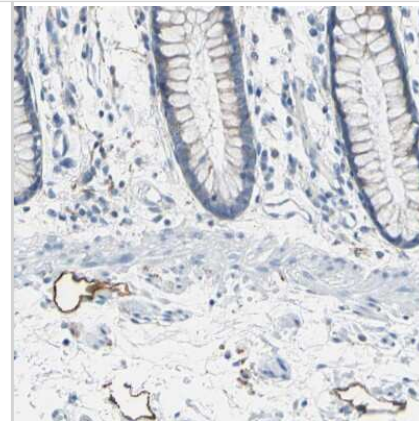
Immunohistochemistry-Paraffin: Podoplanin Antibody [NBP1-90211] - Staining of human liver shows no positivity in hepatocytes as expected.



Immunohistochemistry-Paraffin: Podoplanin Antibody [NBP1-90211] - Staining of human placenta shows moderate membranous positivity in endothelial cells.



Immunohistochemistry-Paraffin: Podoplanin Antibody [NBP1-90211] - Staining of human rectum shows moderate membranous positivity in endothelium of lymphatic vessels.



Publications

Lathen C, Zhang Y et al. ERG-APLNR axis controls pulmonary venule endothelial proliferation in pulmonary veno-occlusive disease. *Circulation* 2014-09-30 [PMID: 25062690] (WB, Mouse)

Francipane MG, Han B, Lagasse E Host Lymphotoxin-beta Receptor Signaling Is Crucial for Angiogenesis of Metanephric Tissue Transplanted into Lymphoid Sites *Am. J. Pathol.* 2019-10-01 [PMID: 31585070]

Drosos I, Pavlaki M, Ortega Carrillo MDP et al. Increased Lymphangiogenesis and Lymphangiogenic Growth Factor Expression in Perivascular Adipose Tissue of Patients with Coronary Artery Disease *J Clin Med* 2019-07-09 [PMID: 31324038] (IF/IHC, Human)

Otto M, Blatt S, Pabst A et al. Influence of buffy coat-derived putative endothelial progenitor cells on tumor growth and neovascularization in oral squamous cell carcinoma xenografts. *Clin Oral Investig* 2019-01-28 [PMID: 30693401] (IHC-P, Mouse)

Antoine Louveau, Igor Smirnov, Timothy J. Keyes et al. Structural and functional features of central nervous system lymphatic vessels. *Nature* 2015-06-01 [PMID: 26030524] (IF/IHC, Mouse)

Schito L, Rey S, Tafani M et al. Hypoxia-inducible factor 1-dependent expression of platelet-derived growth factor B promotes lymphatic metastasis of hypoxic breast cancer cells *Proc Natl Acad Sci U S A* 2012-10-02 [PMID: 23012449] (IF/IHC, Mouse)



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Products Related to NBP1-90211

NBP1-90211PEP	Podoplanin 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

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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