Product Datasheet

Prox1 Antibody - Azide and BSA Free
NBP1-18605

Unit Size: 0.2 mg

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

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Reviews: 1 Publications: 5

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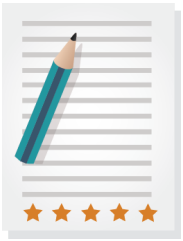
Updated 9/9/2025 v.20.1



NBP1-18605

Prox1 Antibody - Azide and BSA Free

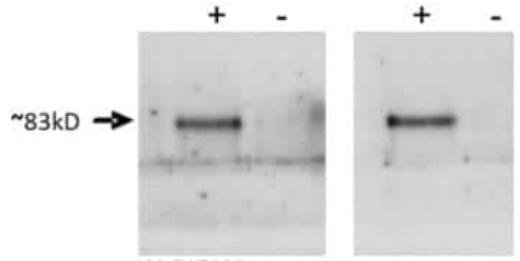
Product Information	
Unit Size	0.2 mg
Concentration	LYOPH mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Reconstitution Instructions	Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml. Please note the sample size of this product will be provided in reconstituted liquid form.
Isotype	IgG
Purity	Protein A purified
Buffer	0.5X PBS, pH 7.2

Product Description	
Description	Novus Biologicals Rabbit Prox1 Antibody - Azide and BSA Free (NBP1-18605) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Prox1 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5629
Gene Symbol	PROX1
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 27122034).
Immunogen	Recombinant human Prox-1

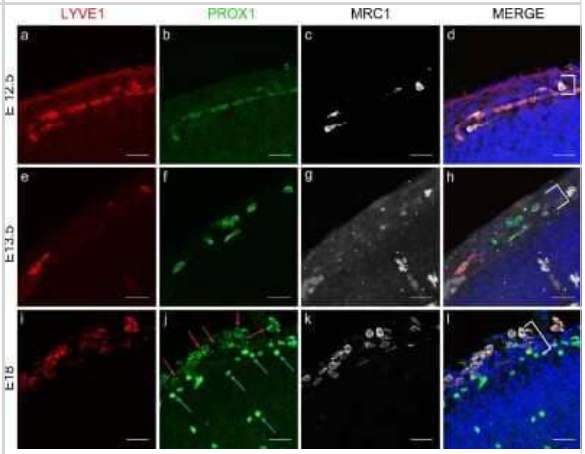
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1-5 ug/ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:750 - 1:1000, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen
Application Notes	Use in IHC-Frozen reported in scientific literature (PMID 27122034). Use in Immunohistochemistry-paraffin reported in scientific literature (PMID 31696318).

Images

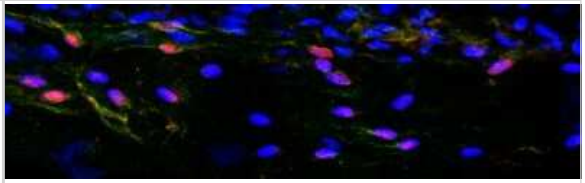
Western Blot: Prox1 Antibody [NBP1-18605] - Analysis with anti-human Prox-1



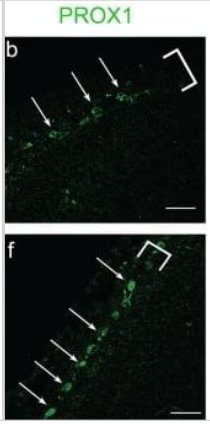
Immunocytochemistry/Immunofluorescence: Prox1 Antibody [NBP1-18605] - Cells expressing LLEC markers are present within embryonic mouse leptomeninges. As revealed by IHC, E12.5 mouse meninges (white bracket) contain cells that co-express LYVE1 (red), PROX1 (green), and MRC1 (white). DAPI marks the nuclei in blue (d). Scale?=?30 um. n?=?3 brains. E13.5 mouse meninges (white bracket) contain cells that co-express LYVE1 (red), PROX1 (green), and MRC1 (white). DAPI marks the nuclei in blue (h). Scale?=?30 um. n?=?3 brains. E18 mouse meninges (white bracket) contain cells that co-express LYVE1 (red), PROX1 (green), and MRC1 (white). PROX1 is cytoplasmic (red arrows) in the meninges but nuclear in neurons (blue arrows). DAPI marks the nuclei in blue. Image collected and cropped by CiteAb from the following publication (//link.springer.com/10.1007/s00401-019-02091-z) licensed under a CC-BY license.



Immunocytochemistry/Immunofluorescence: Prox1 Antibody [NBP1-18605] - PROX1 Antibody [NBP1-18605] - human skin stained with PROX1 (red), VEGFR3 (green) and TO-PRO (nuclei). ICC image submitted by a verified customer review.



Immunocytochemistry/ Immunofluorescence: Prox1 Antibody [NBP1-18605] - Mouse LLECs develop independent of the transcription factor PU.1. a–d As detected by IHC, E15.5 wild-type mice have cells that co-express LYVE1 (a, red) PROX1 (b, green) & MRC1 (c, white) in the developing meninges (white bracket). DAPI labels nuclei blue in the merged image (d). White arrows indicate cells with these three markers. Scale = 50 µm. n = 2 brains. e–h) The meninges (white bracket) of E15.5 PU.1 knockout siblings contain many cells (white arrows) that co-express LYVE1 (e, red), PROX1 (f, green), & MRC1 (g, white). Scale = 50 µm. n = 3 brains Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/31696318), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Du W, Ayyaswamy S, Rath S et Al. MEK/ERK inhibitor effectively impact generalized lymphatic anomaly (GLA) cells growth through EGFR/MEK/ERK signaling pathway assets.researchsquare.com 2020-01-01

Shibata-Germanos S, Goodman JR, Grieg A et al. Structural and functional conservation of non-lumenized lymphatic endothelial cells in the mammalian leptomeninges Acta Neuropathol. 2019-11-06 [PMID: 31696318] (IHC-P, Human)

Redondo PAG, Gubert F, Zaverucha-do-Valle C et al. Lymphatic vessels in human adipose tissue Cell Tissue Res. 2019-11-27 [PMID: 31776824] (ICC/IF, Human)

Rainey RN, Ng SY, Llamas J et al. Mutations in Cockayne Syndrome-Associated Genes (Csa and Csb) Predispose to Cisplatin-Induced Hearing Loss in Mice. J. Neurosci. 2016-04-27 [PMID: 27122034] (IHC-Fr, Mouse)

Abdolazimi Y, Stojanova Z, Segil N. Selection of cell fate in the organ of Corti involves the integration of Hes/Hey signaling at the Atoh1 promoter. Development. 2016-03-01 [PMID: 26932672] (ICC/IF, Human)

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Products Related to NBP1-18605

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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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