

Product Datasheet

Ephrin-B2 Antibody - BSA Free NBP1-84830

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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NBP1-84830

Ephrin-B2 Antibody - BSA Free

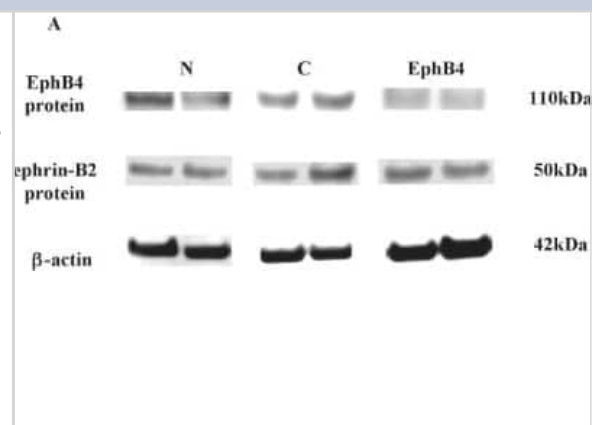
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	1948
Gene Symbol	EFNB2
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 21539827). Use in Rat reported in scientific literature (PMID:28755882).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: YRRRHRKHSPQHHTTTLSSLATPKRSGNNNGSEPSDIIIPLRTADSVFCPHYE KVSGDYGHPVYIVQEMP

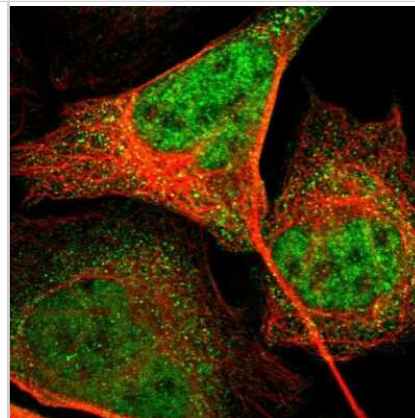
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50-1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

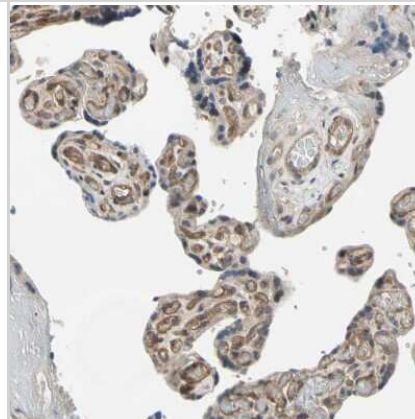
Western Blot: Ephrin-B2 Antibody [NBP1-84830] - Colonic levels of EphB4 and ephrin-B2 proteins. Representative western blots showing the expression of EphB4, ephrin-B2 and beta-actin proteins in lysates, obtained from the colon of vehicle-treated normal mice (N) and in TNBS-treated mice administered with vehicle (CNT) or EphB4 20 ug/kg (EphB4). Image collected and cropped by CiteAb from the following publication (<https://www.frontiersin.org/article/10.3389/fphar.2019.00691/full>), licensed under a CC-BY license.



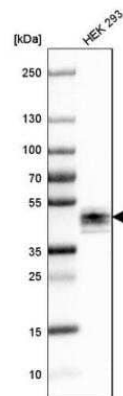
Immunocytochemistry/Immunofluorescence: Ephrin-B2 Antibody [NBP1-84830] - Staining of human cell line U-2 OS shows localization to nucleoplasm & cytosol. Antibody staining is shown in green.



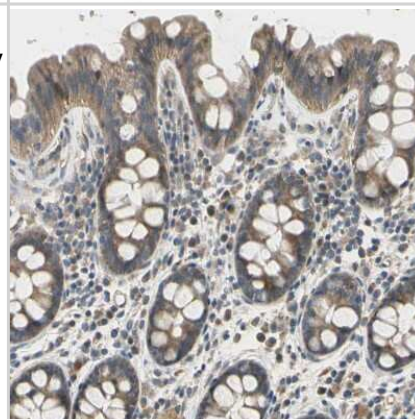
Immunohistochemistry-Paraffin: Ephrin-B2 Antibody [NBP1-84830] - Staining of human placenta shows moderate membranous positivity in endothelial cells.



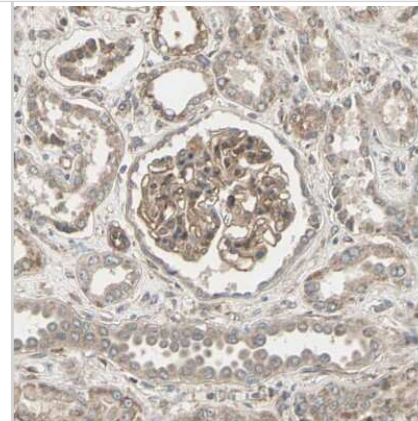
Western Blot: Ephrin-B2 Antibody [NBP1-84830] - Analysis in human cell line HEK 293.



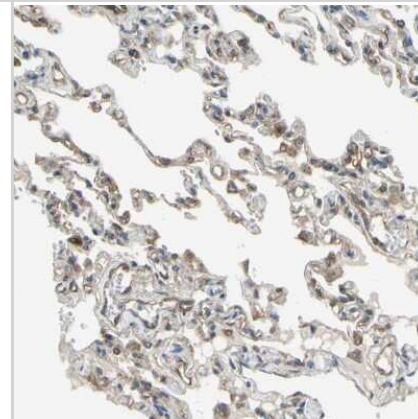
Immunohistochemistry-Paraffin: Ephrin-B2 Antibody [NBP1-84830] - Staining of human colon shows weak to moderate membranous positivity in glandular cells.



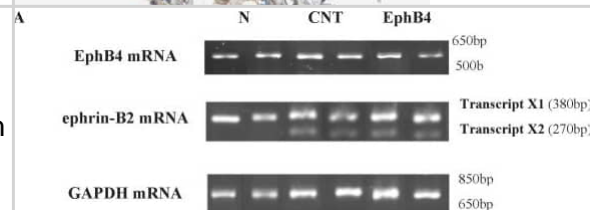
Immunohistochemistry-Paraffin: Ephrin-B2 Antibody [NBP1-84830] - Staining of human kidney shows moderate membranous positivity in cells in glomeruli.



Immunohistochemistry-Paraffin: Ephrin-B2 Antibody [NBP1-84830] - Staining of human lung shows weak to moderate membranous positivity in pneumocytes.



Western Blot: Ephrin-B2 Antibody [NBP1-84830] - Colonic levels of EphB4 & ephrin-B2 mRNA. (A) Representative agarose gels showing mRNA levels of EphB4, ephrin-B2 & GAPDH from the colon of vehicle-treated normal mice (N; n = 7) & of TNBS-treated mice administered with vehicle (CNT; n = 4) or EphB4 20 µg/kg (EphB; n = 5). Histograms represent the quantification of EphB4 (B) & ephrin-B2 (C) mRNA levels normalized to GAPDH amplification products. Transcript X1 (black bars) & transcript X2 (white bars), encoded by ephrin-B2 gene, were detected & represented (C). Data are shown as mean ± SEM. *P < 0.05 vs. N mice, one-way ANOVA followed by Bonferroni's post-test. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/31297055>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Aleman J, George SK, Herberg S et al. Deconstructed Microfluidic Bone Marrow On-A-Chip to Study Normal and Malignant Hemopoietic Cell-Niche Interactions *Small* 2019-10-01 [PMID: 31464364] (In vivo assay)

Fujimoto Y, Urashima T et al. Pulmonary hypertension due to left heart disease causes intrapulmonary venous arterialization in rats. *J Thorac Cardiovasc Surg* 2017-01-11 [PMID: 28755882] (IF/IHC, Rat)

Grandi A, Zini I, Palese S et al. Targeting the Eph/Ephrin System as Anti-Inflammatory Strategy in IBD *Front. Pharmacol.* 2019-06-17 [PMID: 31297055] (WB, Mouse)

Hampton-O'Neil LA, Severn CE, Cross SJ, et al. Ephrin/Eph receptor interaction facilitates macrophage recognition of differentiating human erythroblasts *Haematologica* 2019-06-13 [PMID: 31197068] (WB, Human)

Nakayama A, Nakayama M, Turner CJ et al. Ephrin-B2 controls PDGFR-beta internalization and signaling. *Genes Dev* 2013-12-01 [PMID: 24298057]

Nakayama M, Nakayama A, van Lessen M et al. Spatial regulation of VEGF receptor endocytosis in angiogenesis. *Nat Cell Biol* 2013-03-01 [PMID: 23354168]

Dravis C, Henkemeyer M. Ephrin-B reverse signaling controls septation events at the embryonic midline through separate tyrosine phosphorylation-independent signaling avenues *Dev Biol* 2011-07-01 [PMID: 21539827] (WB, Mouse)





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Products Related to NBP1-84830

NB820-60569	Human Artery Membrane Tissue Lysate (Adult Membrane Normal)
NBP1-84830PEP	Ephrin-B2 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

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