

# Product Datasheet

## Ephrin-B2 Antibody NBP1-49857

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NBP1-49857**

## Ephrin-B2 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Description	Novus Biologicals Goat Ephrin-B2 Antibody (NBP1-49857) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-Ephrin-B2 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	1948
Gene Symbol	EFNB2
Species	Human, Mouse, Rat
Immunogen	Peptide with sequence CPKVDSKTVGQYE corresponding to internal region according to NP_004084.1.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Western Blot 0.1 - 0.3 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA Detection limit 1:16000
Application Notes	WB: Approx. 35 kDa band observed in human, mouse and rat lung lysates (calculated MW of 36.9 kDa band according to NP_004084.1). Use in IHC-P reported in scientific literature (PMID: 29133876).

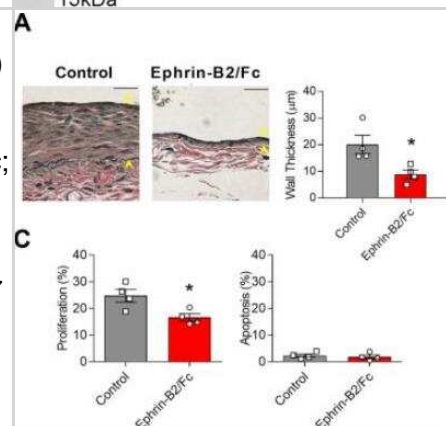


## Images

Western Blot: Ephrin B2 Antibody [NBP1-49857] - (0.1ug/ml) staining of Rat Lung lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

250kDa  
150kDa  
100kDa  
75kDa  
50kDa  
37kDa  
25kDa  
20kDa  
15kDa

Immunohistochemistry: Ephrin-B2 Antibody [NBP1-49857] - (A) Representative photomicrographs (left panel) and bar graph (right panel) showing AVF venous wall thickness in AVF treated with control or Ephrin-B2/Fc (day 21); \*P=0.03 (t-test). n=4. Scale bar, 25um. (B) Line graph showing IVC diameter in mice treated with control or Ephrin-B2/Fc; \*P<0.0001 (ANOVA). n=4-5. (C) Bar graphs showing percentage of cells in the AVF positive for proliferation (Ki67) or apoptosis (cleaved caspase-3) (day 21); \*P=0.02 (t-test). n=4. Image collected and cropped by CiteAb from the following publication ([nature.com/articles/s41598-017-13071-2](https://www.nature.com/articles/s41598-017-13071-2)), licensed under a CC-BY license.



## Publications

Protack CD, Foster TR, Hashimoto T et al. Eph-B4 regulates adaptive venous remodeling to improve arteriovenous fistula patency Sci Rep. 2017-11-13 [PMID: 29133876] (IHC-P, Human)

Nakada M, Anderson EM, Demuth T et al. The phosphorylation of ephrin-B2 ligand promotes glioma cell migration and invasion. Int J Cancer 2010-03-01 [PMID: 19728339]



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### **Products Related to NBP1-49857**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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### **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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