

Product Datasheet

TEM7/PLXDC1 Antibody (197C193 (IM193)) - BSA Free NB100-56557

Unit Size: 0.1 mg

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

www.novusbio.com



technical@novusbio.com

Publications: 9

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB100-56557

Updated 9/9/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NB100-56557



NB100-56557

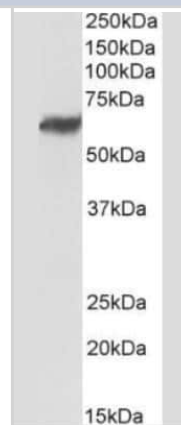
TEM7/PLXDC1 Antibody (197C193 (IM193)) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	197C193 (IM193)
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse TEM7/PLXDC1 Antibody (197C193 (IM193)) - BSA Free (NB100-56557) is a monoclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-TEM7/PLXDC1 Antibody: Cited in 9 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	57125
Gene Symbol	PLXDC1
Species	Human, Mouse, Rat
Immunogen	Amino acids 409-425 (LQNNLSPKTKGTPVHLG) of human TEM7 were used to develop this monoclonal antibody.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence 1:10-1:500. Use reported in scientific literature (Meng et al (2007)), Immunoprecipitation 1:10-1:500. Use reported in scientific literature (Nanda et al (2004)), Immunohistochemistry-Paraffin 2-5 ug/ml, Immunohistochemistry-Frozen reported in scientific literature (Lee et al (2006))
Application Notes	Immunohistochemistry-Paraffin reported in scientific literature (Nanda et al (2004); Lee et al (2005))



Images

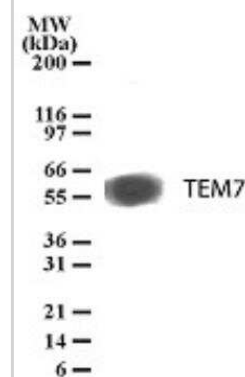
Western Blot: TEM7/PLXDC1 Antibody (197C193 (IM193)) [NB100-56557] - Analysis of human breast cancer lysate (35 ug per lane, RIPA buffer) at 0.03ug/ml. Band observed at ~60kDa. (Expected MW of 55.8kDa according to NP_065138.2).



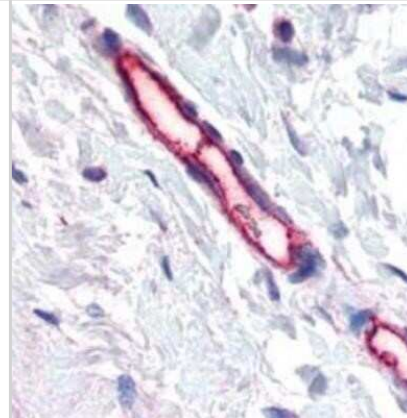
Immunohistochemistry: TEM7/PLXDC1 Antibody (197C193 (IM193)) [NB100-56557] - Staining of Tumor Endothelial Marker 7 in formalin-fixed, paraffin-embedded human Purkinje neurons at 2.5 ug/ml. Hematoxylin-eosin counterstain.



Western Blot: TEM7/PLXDC1 Antibody (197C193 (IM193)) [NB100-56557] - Detection of TEM7 with TEM7 antibody. Human HCT-116 cell lysate probed with TEM7 antibody at 1 ug/ml.



Immunohistochemistry-Paraffin: TEM7/PLXDC1 Antibody (197C193 (IM193)) [NB100-56557] - Formalin-fixed, paraffin-embedded human breast vessel stained with TEM7 antibody at 5 ug/ml.



Publications

M Balzano, M De Grandis, TP Vu Manh, L Chasson, F Bardin, A Farina, A Sergé, G Bidaut, P Charbord, L Hérault, AL Bailly, A Cartier-Mi, A Boned, M Dalod, E Duprez, P Genever, M Coles, M Bajenoff, L Xerri, M Aurrand-Li, C Schiff, SJC Mancini Nidogen-1 Contributes to the Interaction Network Involved in Pro-B Cell Retention in the Perisinusoidal Hematopoietic Stem Cell Niche Cell Rep, 2019-03-19;26(12):3257-3271.e8. 2019-03-19 [PMID: 30893599]

Carpenter RL, Paw I, Zhu H et al. The gain-of-function GLI1 transcription factor TGLI1 enhances expression of VEGF-C and TEM7 to promote glioblastoma angiogenesis. Oncotarget 2015-09-08 [PMID: 26093087] (IF/IHC)

Fuchs Bruno, Mahlum Eric, Halder Chandralekha et al. High expression of tumor endothelial marker 7 is associated with metastasis and poor survival of patients with osteogenic sarcoma. Gene. 2007-09-15 [PMID: 17560052] (Human)

Mehran R, Nilsson M, Khajavi M et al. Tumor endothelial markers define novel subsets of cancer-specific circulating endothelial cells associated with antitumor efficacy. Cancer Res. 2014-03-13 [PMID: 24626092] (IHC-Fr, Mouse, Human)

Details:

Mouse xenograft tumor models with human and mouse tumor cells & normal mouse lung, Fig 1.

Yamaji Y, Yoshida S, Ishikawa K et al. TEM7 (PLXDC1) in neovascular endothelial cells of fibrovascular membranes from patients with proliferative diabetic retinopathy. Invest Ophthalmol Vis Sci. 2008-07-01 [PMID: 18316703] (IHC-P, Human)

Details:

IHC (paraffin), human fibrovascular membranes, Figs. 3, 4, 5.

Nanda A, Buckhaults P, Seaman S et al. Identification of a binding partner for the endothelial cell surface proteins TEM7 and TEM7R. Cancer Res. 2004-12-01 [PMID: 15574754] (WB, Human)

Details:

WB: TEM7 transfected 293 cells (Figs 1C and 3B); human colon cancer and normal colon tissue lysates (Fig 1D), IP: TEM7 transfected 293 cells (Figs 1C and 3B); IHC-paraffin: normal/tumor colon, esophagus and lung tissues (Fig 2A).

Lee HK, Kang DS, Seo IA et al. Expression of tumor endothelial marker 7 mRNA and protein in the dorsal root ganglion neurons of the rat. Neurosci Lett. 2006-07-10 [PMID: 16707219] (IHC-Fr)

Lee HK, Bae HR, Park HK et al. Cloning, characterization and neuronal expression profiles of tumor endothelial marker 7 in the rat brain. Brain Res Mol Brain Res. 2005-05-20 [PMID: 15893603] (IHC-P)

Meng F, Henson R, Patel T. Chemotherapeutic stress selectively activates NF-kappa B-dependent AKT and VEGF expression in liver cancer-derived endothelial cells. Am J Physiol Cell Physiol. 2007-08-01 [PMID: 17537803] (WB, ICC/IF)

Details:

WB (Fig 1A): AML12, normal mouse liver hepatocytes, and Hepa 1-6 mouse liver hepatoma cell lines, and mouse liver endothelial cells IF/ICC (Fig 1B): mouse liver endothelial cell monolayers.



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB100-56557

NBL1-14532	TEM7/PLXDC1 Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB100-56557

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

