

Product Datasheet

Endosialin/CD248/TEM1 Antibody - BSA Free NBP1-77310

Unit Size: 0.1 mg

Store at 4C.

www.novusbio.com



technical@novusbio.com

Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-77310

Updated 3/4/2026 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/NBP1-77310



NBP1-77310

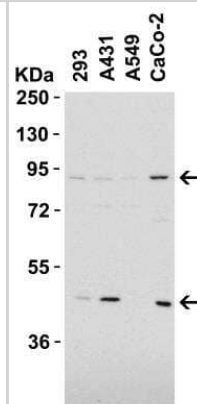
Endosialin/CD248/TEM1 Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	46, 81 kDa
Product Description	
Host	Rabbit
Gene ID	57124
Gene Symbol	CD248
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (86%), Rat (86%)
Specificity/Sensitivity	Human TEM-1 has 2 isoforms, including isoform 1 (757aa, 81kD) and isoform 2 (433aa, 46kD). Mouse TEM-1 has one isoform (765aa, 82kD) and rat TEM-1 also has one isoform (764aa, 82kD). NBP1-77310 can detect all isoforms of human, mouse and rat.
Immunogen	Antibody was raised against a peptide corresponding to 14 amino acids near the carboxy terminus of human TEM-1. The immunogen is located within the last 50 amino acids of TEM-1. Amino Acid Squence: GSKSPTEPMPPRGS
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.5-2 ug/ml, ELISA 1:100-1:2000, Immunohistochemistry 2.5 ug/ml, Immunocytochemistry/ Immunofluorescence 20 ug/ml, Immunohistochemistry-Paraffin 2.5 ug/ml
Application Notes	Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID: 30285896).

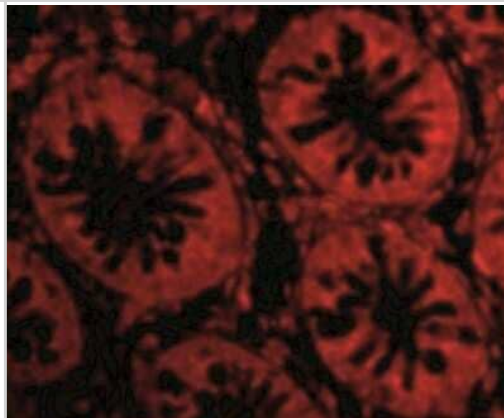


Images

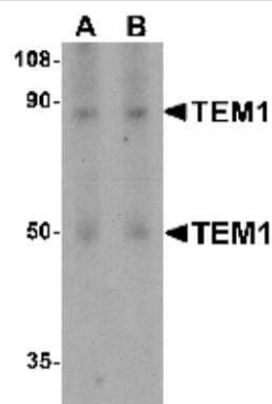
Western Blot: Endosialin/CD248/TEM1 Antibody [NBP1-77310] - Western Blot Validation in Human Cell Lines Loading: 15 ug of lysates per lane. Antibodies: TEM-1 4357, (2 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



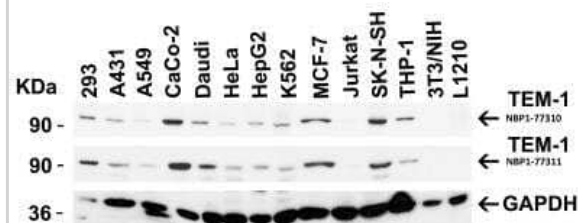
Immunohistochemistry: Endosialin/CD248/TEM1 Antibody [NBP1-77310] - Human Colon tissue with TEM1 antibody at 20 ug/mL.



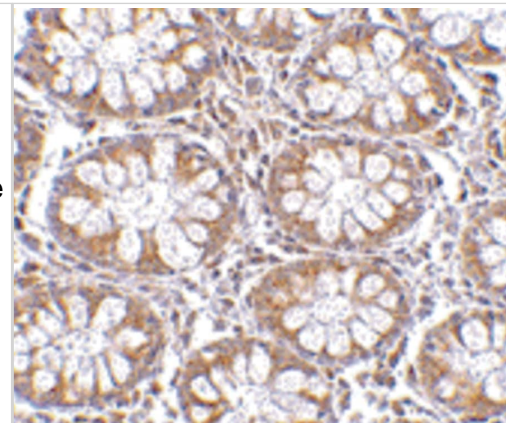
Western Blot: Endosialin/CD248/TEM1 Antibody [NBP1-77310] - Analysis of TEM1 in human colon tissue lysate with TEM1 antibody at (A) 0.5 and (B) 1 ug/mL.



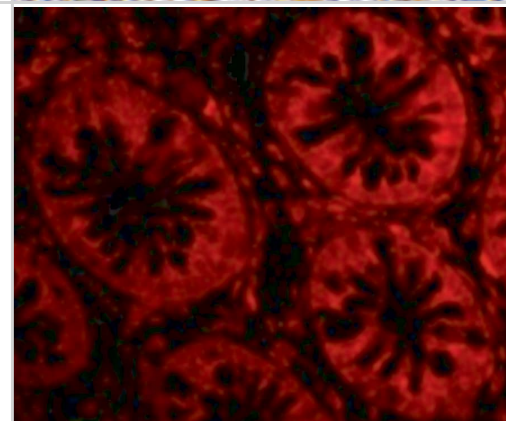
Western Blot: Endosialin/CD248/TEM1 Antibody [NBP1-77310] - Independent Antibody Validation (IAV) via Protein Expression Profile in Cell Lines Loading: 15 ug of lysates per lane. Antibodies: TEM-1 (NBP1-77310), (2 ug/mL), TEM-1 (NBP1-77311), (1ug/mL), and GAPDH (0.02 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Immunohistochemistry: Endosialin/CD248/TEM1 Antibody - BSA Free [NBP1-77310] - Validation of TEM-1 in Human Colon Tissue. Immunohistochemical analysis of paraffin-embedded Human Colon tissue using anti-TEM-1 antibody at 2.5 ug/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



Immunocytochemistry/ Immunofluorescence: Endosialin/CD248/TEM1 Antibody - BSA Free [NBP1-77310] - **Figure 5 Immunofluorescence Validation of TEM-1 in Human Colon Tissue** Immunofluorescent analysis of 4% paraformaldehyde-fixed Human Colon Tissue labeling TEM-1 with at 20 u/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red).



Publications

Cipriani P, Ruscitti P, Di Cola I et al. Fibroblast expression of CD248 may contribute to exacerbation of microvascular damage during systemic sclerosis Rheumatology (Oxford, England) 2023-03-01 [PMID: 35916713] (Immunohistochemistry)

Di Benedetto P, Liakouli V, Ruscitti P et al. Blocking CD248 molecules in perivascular stromal cells of patients with systemic sclerosis strongly inhibits their differentiation toward myofibroblasts and proliferation: a new potential target for antifibrotic therapy. Arthritis Res. Ther. 2018-10-03 [PMID: 30285896] (ICC/IF, Human)



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 NBP1-77310

NBP1-77310PEP	Endosialin/CD248/TEM1 Antibody Blocking Peptide
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.

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/NBP1-77310

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

