

Product Datasheet

Endosialin/CD248/TEM1 Antibody - BSA Free NBP1-77311

Unit Size: 0.1 mg

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

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NBP1-77311

Endosialin/CD248/TEM1 Antibody - BSA Free

Product Information

| | |
|--------------------------------|--|
| Unit Size | 0.1 mg |
| Concentration | 1 mg/ml |
| 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 | Peptide affinity purified |
| Buffer | PBS |
| Target Molecular Weight | 81 kDa |

Product Description

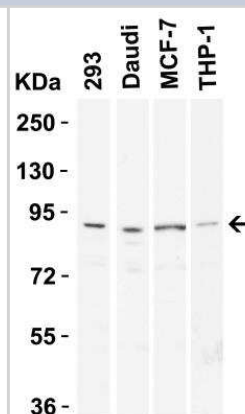
| | |
|--------------------------------|---|
| Description | Novus Biologicals Rabbit Endosialin/CD248/TEM1 Antibody - BSA Free (NBP1-77311) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Rabbit |
| Gene ID | 57124 |
| Gene Symbol | CD248 |
| Species | Human |
| 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). NBP1-77311 can detect human isoform 1, mouse and rat TEM-1. |
| Immunogen | Antibody was raised against a peptide corresponding to 14 amino acids near the amino terminus of human TEM-1. The immunogen is located within amino acids 40-90 of TEM-1 Amino Acid Sequence: ATPRTPEEAQRVDS |

Product Application Details

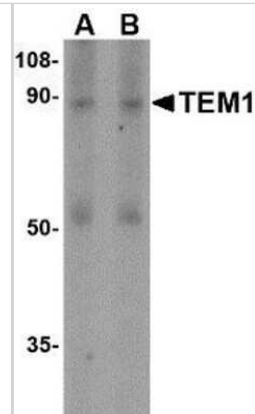
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|------------------------------|---|
| Applications | Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry |
| Recommended Dilutions | Western Blot 0.5-2 ug/ml, ELISA 1:100-1:2000, Immunohistochemistry 2.5 ug/ml, Immunocytochemistry/ Immunofluorescence 20 ug/ml, Immunohistochemistry-Paraffin 2.5 ug/ml |

Images

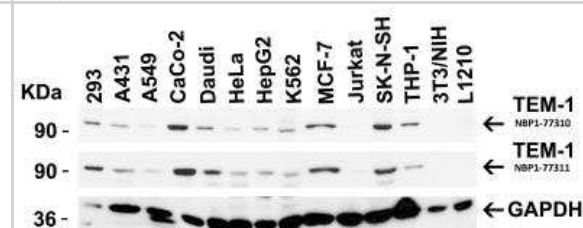
Western Blot: Endosialin/CD248/TEM1 Antibody [NBP1-77311] - Western Blot Validation in Human Tissue Loading: 15 ug of lysates per lane. Antibodies: TEM-1 NBP1-77311, (0.5 ug/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



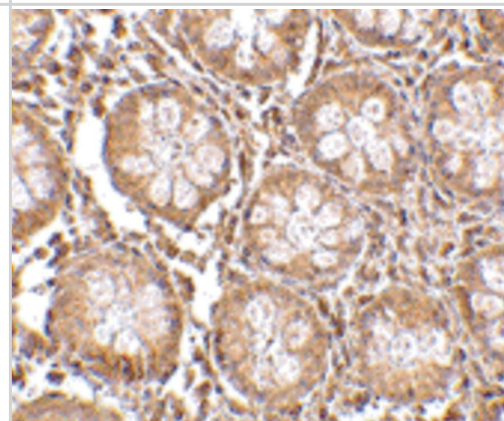
Western Blot: Endosialin/CD248/TEM1 Antibody [NBP1-77311] - Human colon tissue lysate with TEM1 antibody at (A) 0.5 and (B) 1 ug/ml.



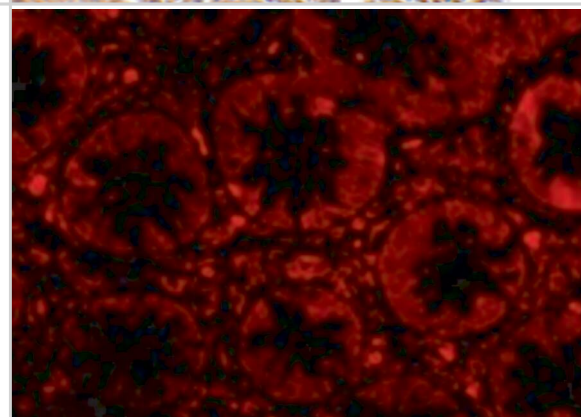
Western Blot: Endosialin/CD248/TEM1 Antibody [NBP1-77311] - Independent Antibody Validation (IAV) via Protein Expression Profile in Cell Lines Loading: 15 ug of lysates per lane. Antibodies: TEM-1 NBP1-77310, (2 ug/mL), TEM-1 NBP1-77311, (1 ug/mL), and GAPDH (0.02 ug/mL), 1h incubation at RT in 5% NFDN/TBST.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



Immunohistochemistry: Endosialin/CD248/TEM1 Antibody - BSA Free [NBP1-77311] - Figure 4 Immunohistochemistry Validation of TEM-1 in Human Colon Tissue Immunohistochemical analysis of paraffin-embedded Human Colon tissue using anti-TEM-1 antibody at 2.5 u/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 [NBP1-77311] - Validation of TEM-1 in Human Colon Cells. Immunofluorescent analysis of 4% paraformaldehyde-fixed Human Colon Tissue labeling TEM-1 with at 20 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red).





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Products Related to NBP1-77311

| | |
|---------------|---|
| NBP1-77311PEP | 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.

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