

# Product Datasheet

## DPPIV/CD26 Antibody (JM11-42)

### NBP2-78791

Unit Size: 100 ul

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

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**NBP2-78791**

DPPIV/CD26 Antibody (JM11-42)

**Product Information**

|                      |                                                                                        |
|----------------------|----------------------------------------------------------------------------------------|
| <b>Unit Size</b>     | 100 ul                                                                                 |
| <b>Concentration</b> | 1 mg/ml                                                                                |
| <b>Storage</b>       | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| <b>Clonality</b>     | Monoclonal                                                                             |
| <b>Clone</b>         | JM11-42                                                                                |
| <b>Preservative</b>  | 0.05% Sodium Azide                                                                     |
| <b>Isotype</b>       | IgG                                                                                    |
| <b>Purity</b>        | Protein A purified                                                                     |
| <b>Buffer</b>        | TBS (pH7.4), 0.05% BSA, 40% Glycerol                                                   |

**Product Description**

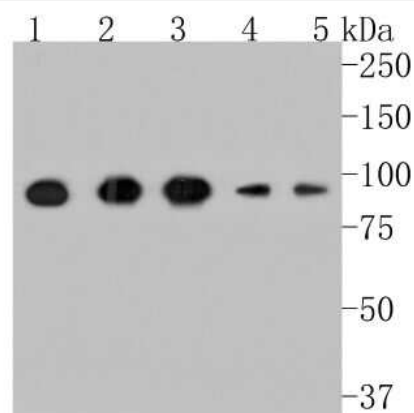
|                    |                                                                                                                                                                                                                                                     |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b> | Novus Biologicals Knockout (KO) Validated Rabbit DPPIV/CD26 Antibody (JM11-42) (NBP2-78791) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>        | Rabbit                                                                                                                                                                                                                                              |
| <b>Gene ID</b>     | 1803                                                                                                                                                                                                                                                |
| <b>Gene Symbol</b> | DPP4                                                                                                                                                                                                                                                |
| <b>Species</b>     | Human, Mouse, Rat                                                                                                                                                                                                                                   |
| <b>Immunogen</b>   | Synthetic peptide within Human DPPIV/CD26 aa 701-747 / 766 (Extracellular). (SwissProt: P27487 Human; SwissProt: P28843 Mouse; SwissProt: P14740 Rat)                                                                                               |

**Product Application Details**

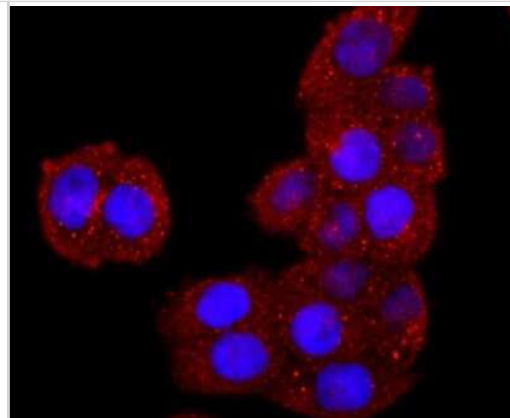
|                              |                                                                                                                                                                                              |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>          | Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockout Validated                                               |
| <b>Recommended Dilutions</b> | Western Blot 1:500-1:2000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin 1:50-1:100, Knockout Validated |

**Images**

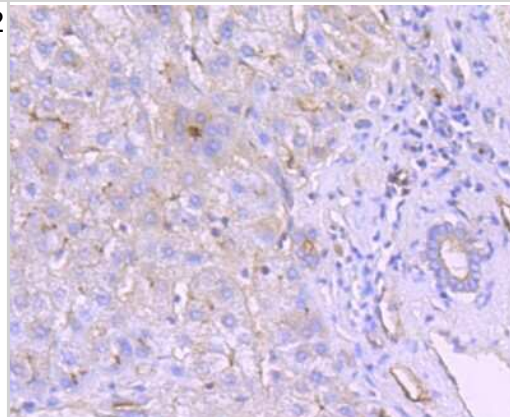
Western Blot: DPPIV/CD26 Antibody (JM11-42) [NBP2-78791] - Western blot analysis of DPPIV/CD26 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:5,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: mouse lung tissue lysate Lane 2: mouse heart tissue lysate Lane 3: human kidney tissue lysate Lane 4: Raji cell lysate Lane 5: PC-3 cell lysate



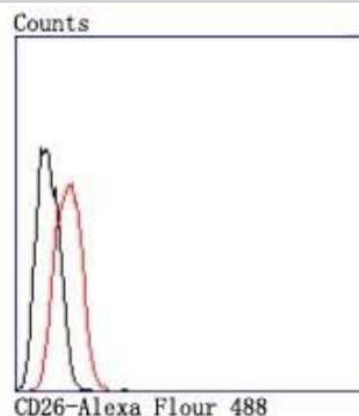
Immunocytochemistry/Immunofluorescence: DPPIV/CD26 Antibody (JM11-42) [NBP2-78791] - Staining CD26 in Hela cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



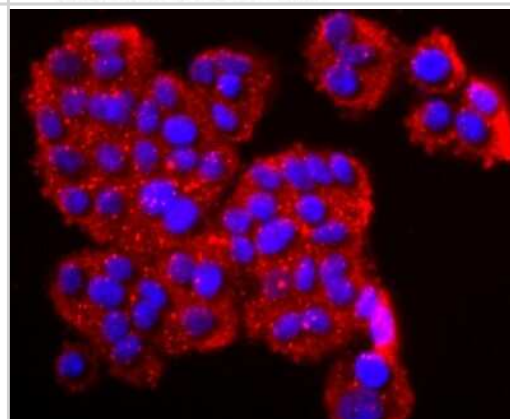
Immunohistochemistry-Paraffin: DPPIV/CD26 Antibody (JM11-42) [NBP2-78791] - Analysis of paraffin-embedded human liver tissue using anti-CD26 antibody. Counter stained with hematoxylin.



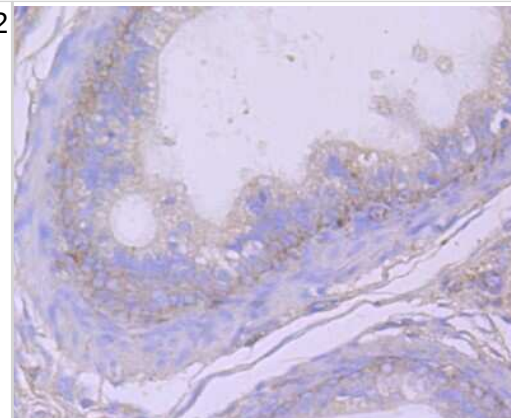
Flow Cytometry: DPPIV/CD26 Antibody (JM11-42) [NBP2-78791] - Analysis of Hela cells with CD26 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



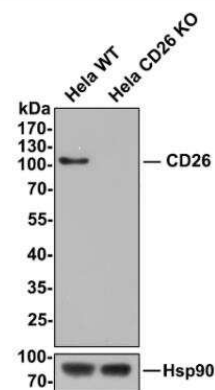
Immunocytochemistry/Immunofluorescence: DPPIV/CD26 Antibody (JM11-42) [NBP2-78791] - Staining CD26 in PC-12 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



**Immunohistochemistry-Paraffin: DPPIV/CD26 Antibody (JM11-42) [NBP2-78791]** - Analysis of paraffin-embedded rat epididymis tissue using anti-CD26 antibody. Counter stained with hematoxylin.



**Western Blot: DPPIV/CD26 Antibody (JM11-42) [NBP2-78791]** - All lanes: Western blot analysis of CD26 with anti-CD26 antibody at 1:500 dilution. Lane 1: Wild-type Hela whole cell lysate (10 ug). Lane 2: CD26 knockout Hela whole cell lysate (10 ug). NBP2-78791 was shown to specifically react with CD26 in wild-type Hela cells. NO band was observed when CD26 knockout sample was tested. Wild-type and CD26 knockout samples were subjected to SDS-PAGE. Proteins were transferred to a PVDF membrane and blocked with 5% NFDM in TBST for 1 hour at room temperature. The primary antibody (1:500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG-HRP Secondary Antibody (HA1001) at 1:300,000 dilution was used for 1 hour at room temperature.





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### **Products Related to NBP2-78791**

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|               |                                                     |
|---------------|-----------------------------------------------------|
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891    | Rabbit IgG Isotype Control                          |
| NBP3-21319PEP | DPPIV/CD26 Recombinant Protein Antigen              |

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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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