

# 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)**

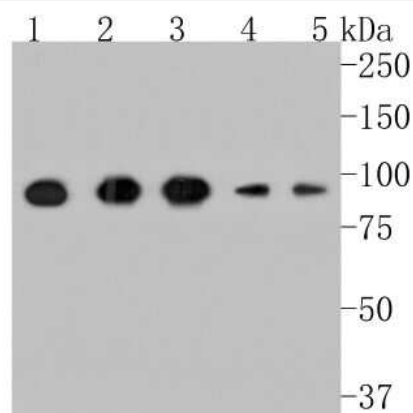
Product Information	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	JM11-42
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Protein 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)

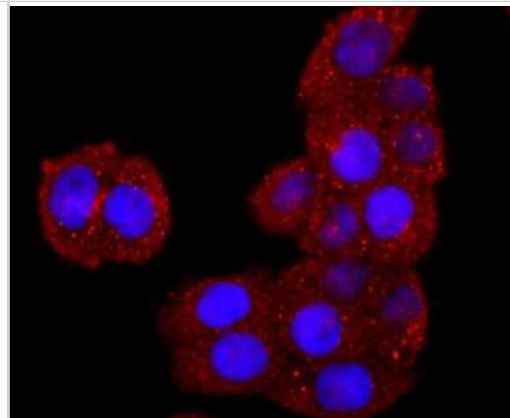
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockout Validated
<b>Recommended Dilutions</b>	Western Blot 1:500-1:2000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/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

**Images**

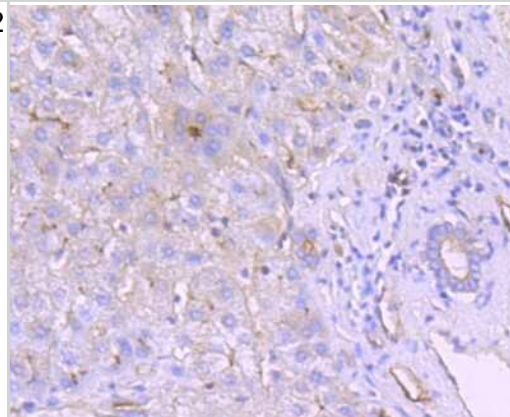
Western Blot: DPPIV/CD26 Antibody (JM11-42) [NBP2-78791] - Western blot analysis of DPPIV/CD26 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. 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



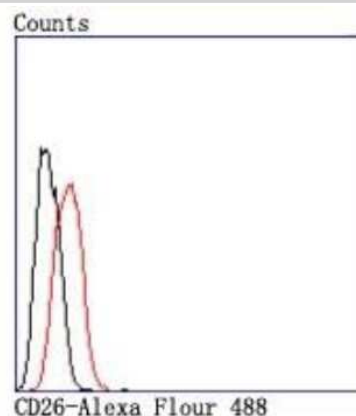
Immunocytochemistry/Immunofluorescence: DPPIV/CD26 Antibody (JM11-42) [NBP2-78791] - Staining CD26 in HeLa cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



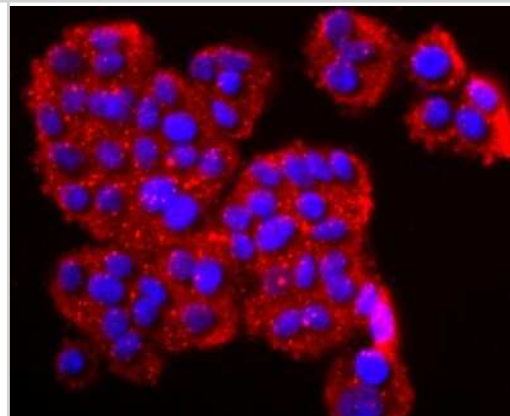
Immunohistochemistry-Paraffin: DPPIV/CD26 Antibody (JM11-42) [NBP2-78791] - Analysis of paraffin-embedded human liver tissue using anti-CD26 antibody. Counter stained with hematoxylin.



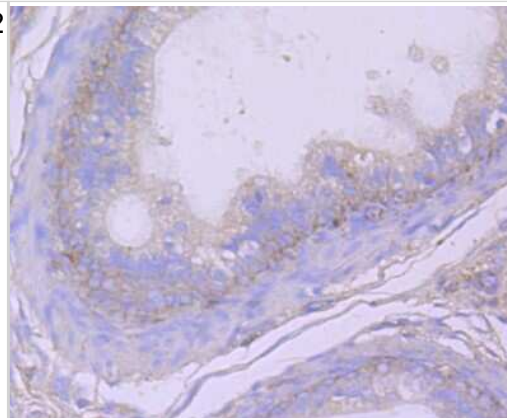
Flow Cytometry: DPPIV/CD26 Antibody (JM11-42) [NBP2-78791] - Analysis of HeLa cells with CD26 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



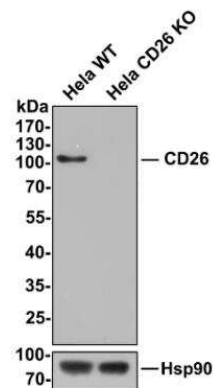
Immunocytochemistry/Immunofluorescence: DPPIV/CD26 Antibody (JM11-42) [NBP2-78791] - Staining CD26 in PC-12 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



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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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit 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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