

For Research Use Only

# DPP4/CD26 Recombinant antibody

Catalog Number: 85159-3-RR



## Basic Information

<b>Catalog Number:</b> 85159-3-RR	<b>GenBank Accession Number:</b> NM_010074.3	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 13482	<b>CloneNo.:</b> 242823E10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P28843	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:400-1:1600
<b>Isotype:</b> IgG	<b>Full Name:</b> dipeptidylpeptidase 4	
<b>Immunogen Catalog Number:</b> EG1384	<b>Calculated MW:</b> 87 kDa	
	<b>Observed MW:</b> 110 kDa	

## Applications

**Tested Applications:**  
WB, IHC, ELISA

**Species Specificity:**  
mouse

**Note-IHC:** suggested antigen retrieval with **TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB :** mouse liver tissue, Recombinant protein, mouse lung tissue, mouse kidney tissue

**IHC :** mouse liver tissue, mouse kidney tissue

## Background Information

CD26, also known as DPP4 (dipeptidyl peptidase-4), is a 110 kDa type II cell-surface glycoprotein widely expressed on T cells, activated B cells, activated NK cells and myeloid cells as well as on epithelial cells, fibroblasts, mesothelium, and endothelial cells of a variety of tissues (PMID:33777580; 26919392). It has ecto-enzyme activity in its extracellular domain and cleaves amino-terminal dipeptides with either L-proline or L-alanine at the penultimate position (PMID: 9553764). CD26 plays roles in diverse biological processes such as immunoregulation, glucose homeostasis, and tumorigenesis (PMID: 33777580).

## Storage

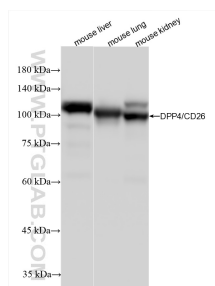
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

**\*\*\* 20ul sizes contain 0.1% BSA**

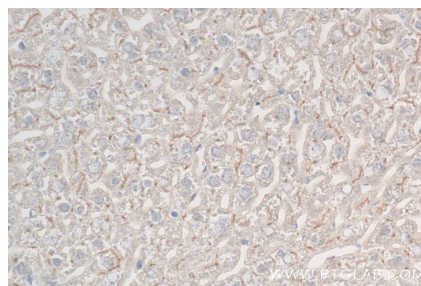
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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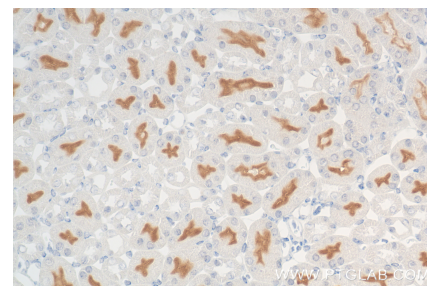
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85159-3-RR (DPP4/CD26 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 85159-3-RR (DPP4/CD26 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 85159-3-RR (DPP4/CD26 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).