

# DPP4/CD26 Polyclonal antibody

Catalog Number: 32397-1-AP

## Basic Information

<b>Catalog Number:</b> 32397-1-AP	<b>GenBank Accession Number:</b> NM_010074.3	<b>Purification Method:</b> Antigen affinity Purification
<b>Concentration:</b> 500 ug/ml	<b>GeneID (NCBI):</b> 13482	<b>Recommended Dilutions:</b> WB 1:1000-1:8000 IHC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P28843	
<b>Isotype:</b> IgG	<b>Full Name:</b> dipeptidylpeptidase 4	
	<b>Calculated MW:</b> 87 kDa	
	<b>Observed MW:</b> 110 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> mouse, rat	<b>WB :</b> mouse liver tissue, rat liver tissue, rat lung tissue
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> rat liver tissue, mouse liver tissue

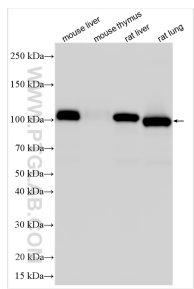
## Background Information

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). In addition to the 110 kDa monomeric form, a 290 kDa active dimeric form and a 60 kDa fragment of CD26 have also been reported (PMID: 9654125; 7905271).

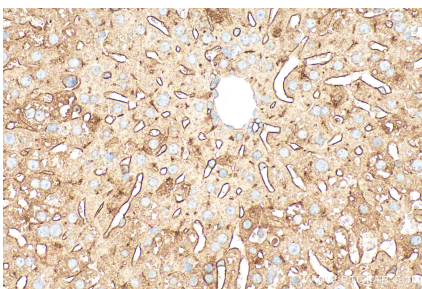
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

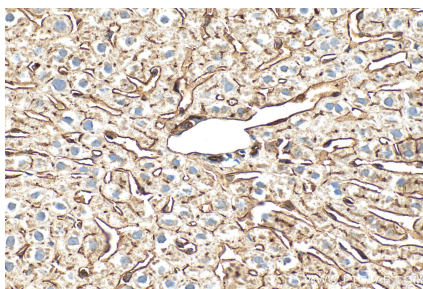
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32397-1-AP (DPP4/CD26 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 32397-1-AP (DPP4/CD26 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 32397-1-AP (DPP4/CD26 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).