

Product datasheet for **TA500733**

CD26 (DPP4) Mouse Monoclonal Antibody [Clone ID: OTI11D7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI11D7
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:500, IHC 1:50, IF 1:100, Flow 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human DPP4 (NP_001926) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	88.3 kDa
Gene Name:	dipeptidyl peptidase 4
Database Link:	NP_001926 Entrez Gene 1803 Human P27487
Background:	The protein encoded by this gene is identical to adenosine deaminase complexing protein-2, and to the T-cell activation antigen CD26. It is an intrinsic membrane glycoprotein and a serine exopeptidase that cleaves X-proline dipeptides from the N-terminus of polypeptides.
Synonyms:	ADABP; ADCP2; CD26; DPPIV; TP103
Protein Families:	Druggable Genome, Protease, Secreted Protein, Transmembrane



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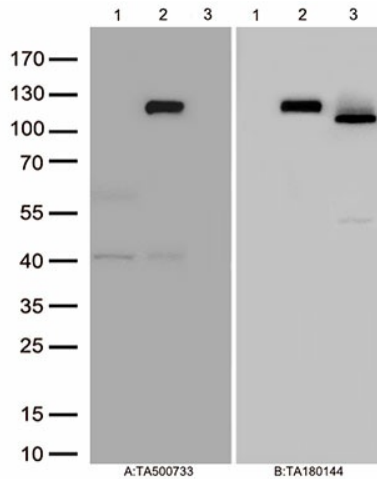
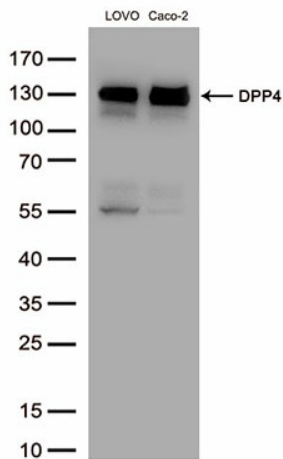
Product images:


Figure A, Western blot analysis of overexpressed lysates(25ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], lane 1) , human DPP4 plasmid ([RC209466], lane 2), mouse DPP4 plasmid ([MR222698], lane 3) using anti-DPP4 antibody TA500733 (1:500). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:1000)



Western blot analysis of extracts (50ug per lane) from 2 cell lines lysates by using anti-DPP4 monoclonal antibody(TA500733, 1:500)

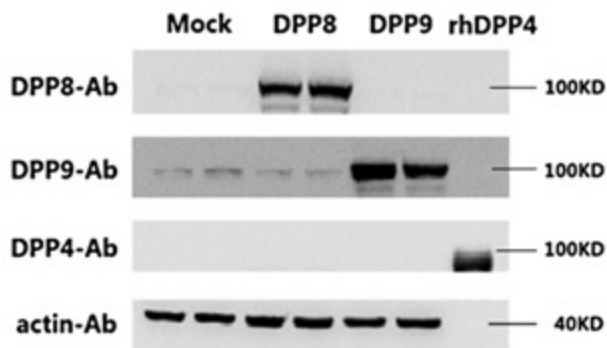


Figure from citation: Western blot analysis of protein levels of DPP4/8/9 in 293E cells transfected with pcDNA3.1 (Mock), pcDNA3.1-hDPP8 (DPP8) and pcDNA3.1-hDPP9 (DPP9), the purified recombinant human DPP4 protein (rhDPP4) was used as a positive control for the DPP4 antibody, antibodies targeting human DPP4/8/9 (TA500733/[TA504366]/[TA504040]) and β -actin ([TA310155]) were purchased from OriGene. [View Citation](#)

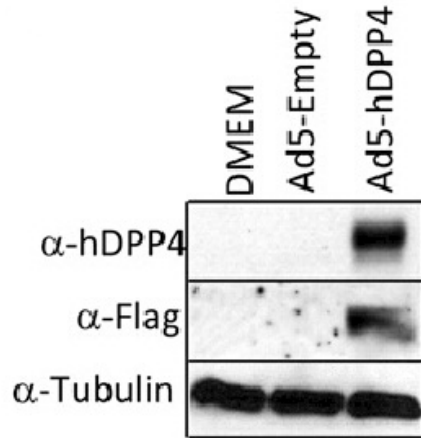
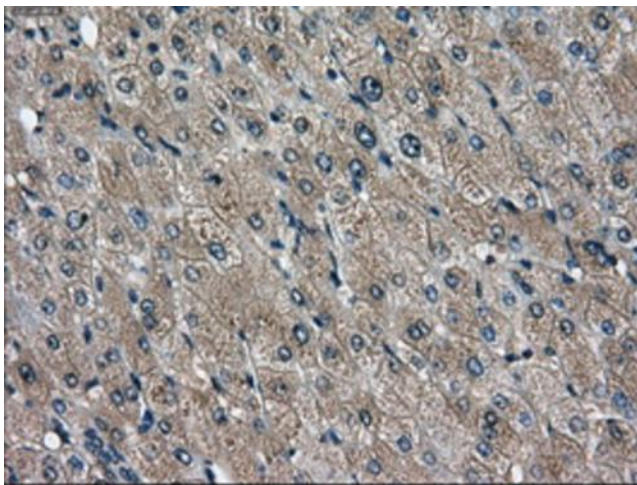


Figure from citation: Western Blot of DPP4 protein level by using anti-DPP4 antibody in mouse MLE15 cells. [View Citation](#)



Immunohistochemical staining of paraffin-embedded liver tissue within the normal limits using anti-DPP4 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.

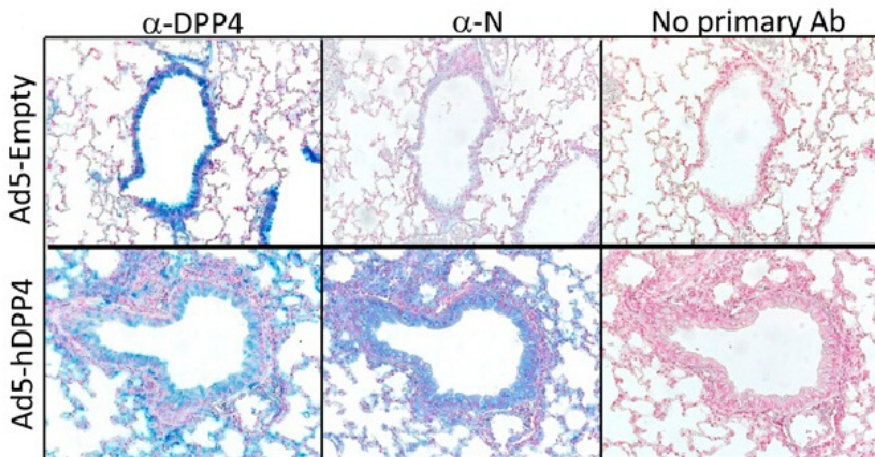
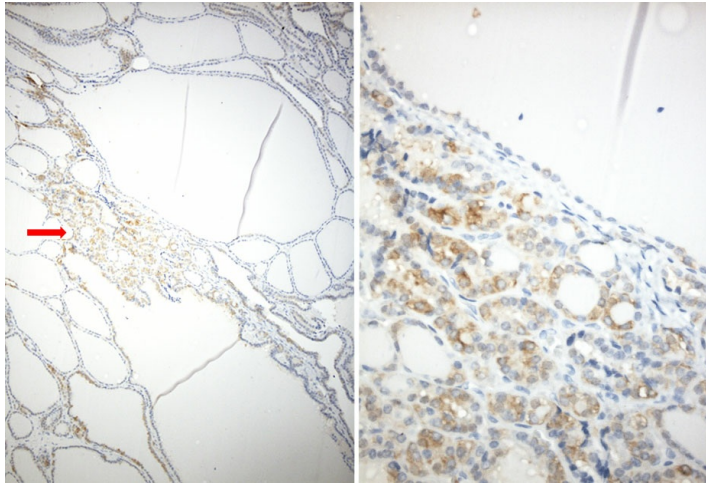
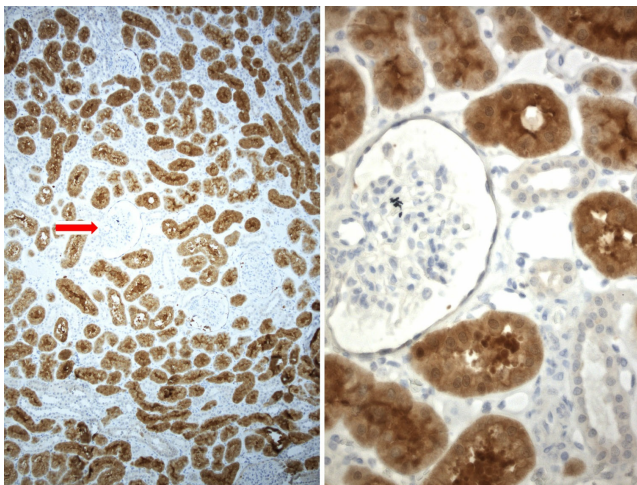


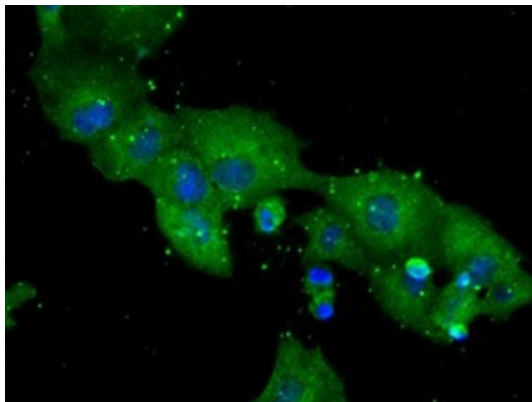
Figure from citation: Immunohistochemistry of DPP4 protein level by using anti-DPP4 antibody in lungs harvested from BALB/c mice at day 3. Dilution: 1:800 [View Citation](#). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



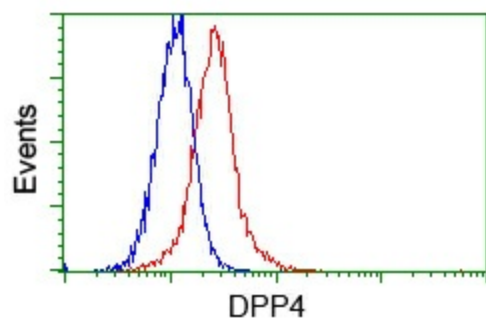
Immunohistochemical staining of paraffin-embedded normal human thyroid tissue using anti-DPP4 C/N TA500733 clone OTI11D7 mouse monoclonal antibody. HIER Citrate buffer pH6 ([B05-100]) at 110C for 10 min, anti-DPP4 diluted to 1:200. Detection was done with Polink1 Broad Mouse and Rabbit C/N [D11-18] with DAB Kit. Image on left is at 10x magnification and image on the right is at 40x magnification of area indicated by red arrow on 10x. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded normal human kidney tissue using anti-DPP4 C/N TA500733 clone OTI11D7 mouse monoclonal antibody. HIER Citrate buffer pH6 ([B05-100]) at 110C for 10 min, anti-DPP4 diluted to 1:100. Detection was done with Polink1 Broad Mouse and Rabbit C/N [D11-18] with DAB Kit. Image on left is at 10x magnification and image on the right is at 40x magnification of area indicated by red arrow on 10x. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Anti-DPP4 mouse monoclonal antibody (TA500733) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY DPP4 ([RC209466]).



Flow cytometric analysis of HeLa cells, using anti-DPP4 antibody (TA500733), (Red) compared to a nonspecific negative control antibody (TA50011) (Blue).