

## Product datasheet for **CF503242**

### DPP3 Mouse Monoclonal Antibody [Clone ID: OTI2D9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2D9
Applications:	FC, IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:150, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human DPP3(NP_005691) produced in HEK293 cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
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:	82.4 kDa
Gene Name:	dipeptidyl peptidase 3
Database Link:	<a href="#">NP_005691</a> <a href="#">Entrez Gene 75221 Mouse</a> <a href="#">Entrez Gene 10072 Human</a> <a href="#">Q9NY33</a>



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**Background:**

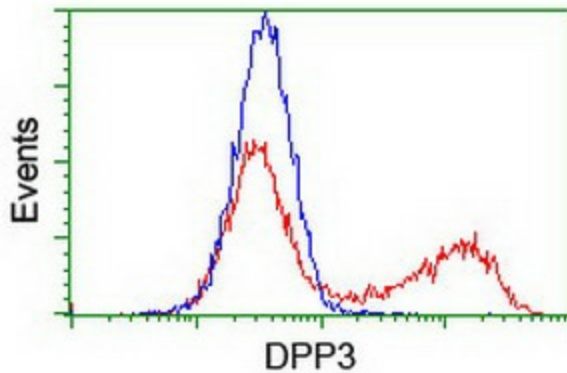
This gene encodes a protein that is a member of the M49 family of metallopeptidases. This cytoplasmic protein binds a single zinc ion with its zinc-binding motif (HELLGH) and has post-proline dipeptidyl aminopeptidase activity, cleaving Xaa-Pro dipeptides from the N-termini of proteins. Increased activity of this protein is associated with endometrial and ovarian cancers. Alternate transcriptional splice variants have been characterized. [provided by RefSeq]

**Synonyms:**

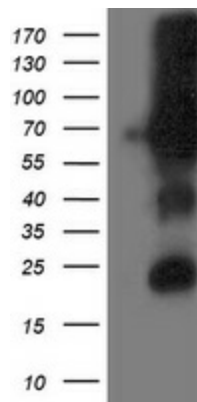
DPPIII

**Protein Families:**

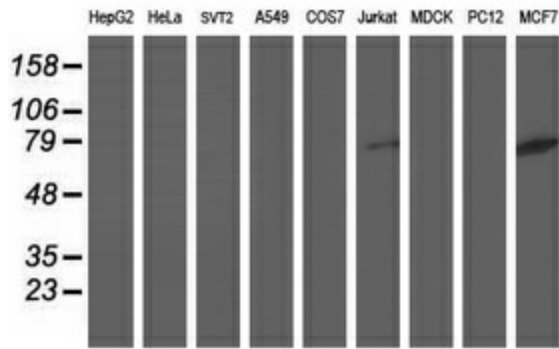
Druggable Genome, Protease

**Product images:**


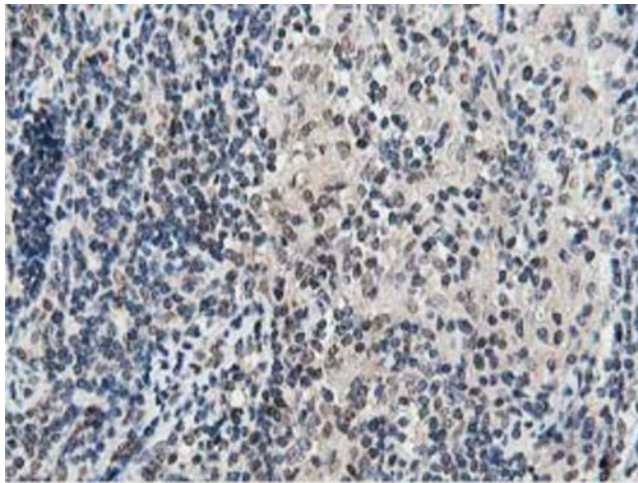
HEK293T cells transfected with either [RC219658] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-DPP3 antibody ([TA503242]), and then analyzed by flow cytometry.



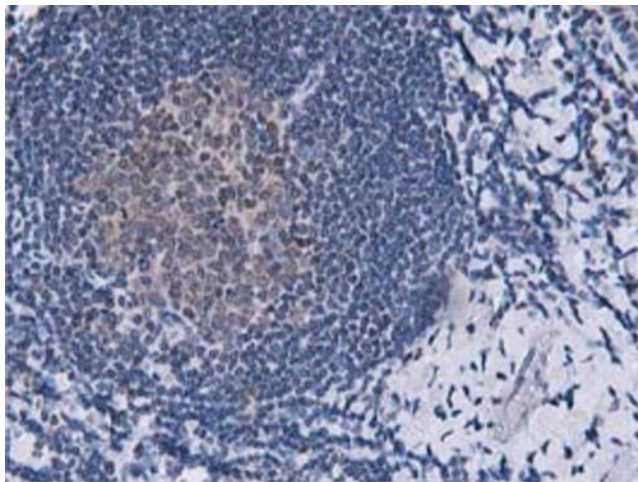
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY DPP3 (Cat# [RC219658], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DPP3 (Cat# [TA503242]). Positive lysates [LY417120] (100ug) and [LC417120] (20ug) can be purchased separately from OriGene.



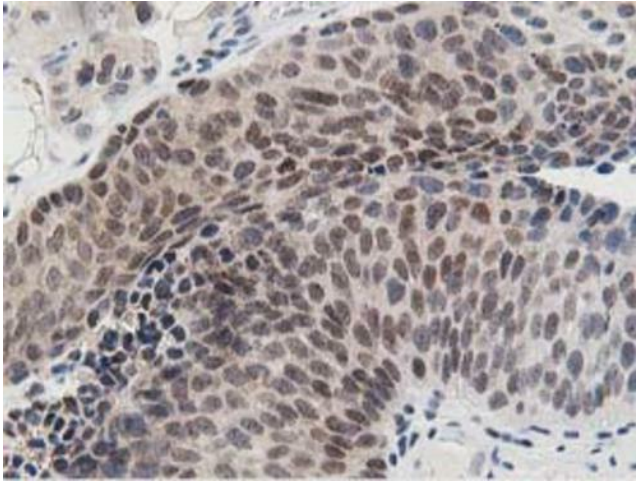
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-DPP3 monoclonal antibody.



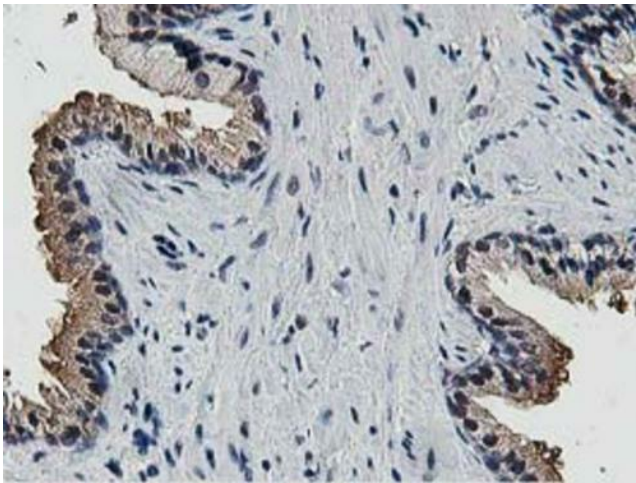
Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-DPP3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



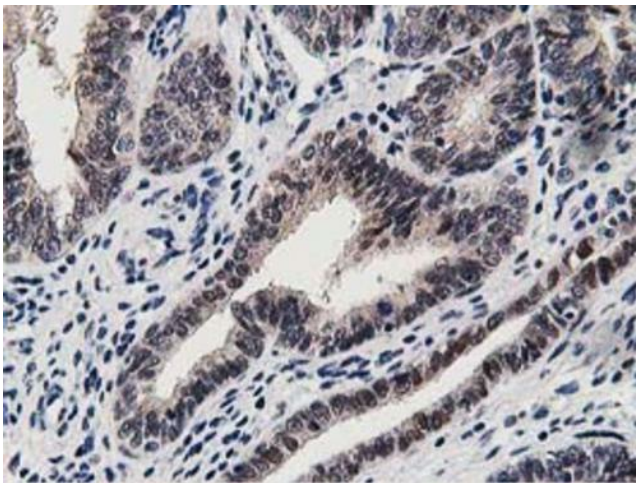
Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-DPP3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



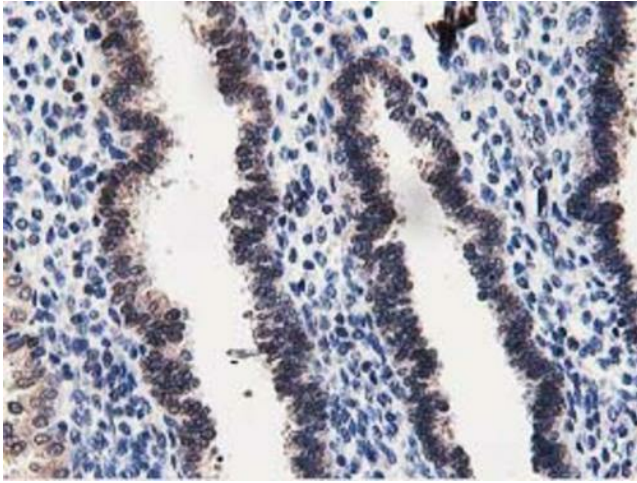
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-DPP3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



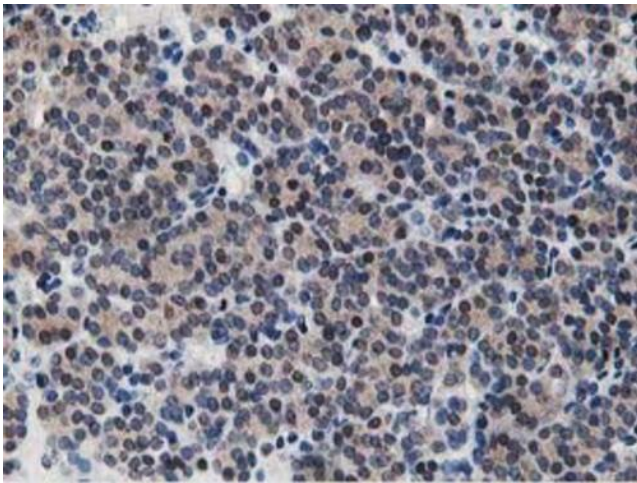
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-DPP3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



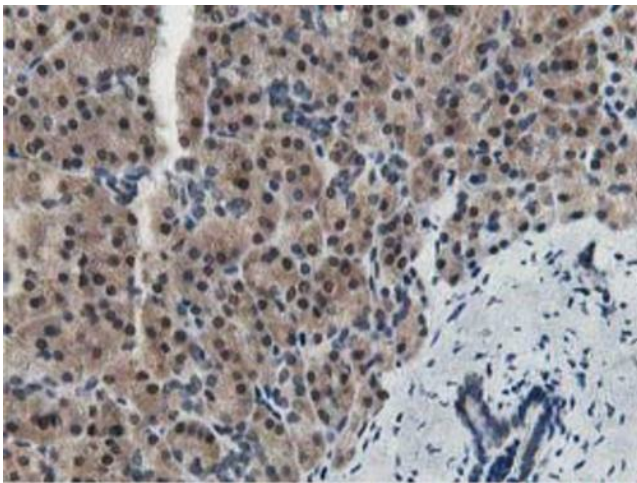
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-DPP3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



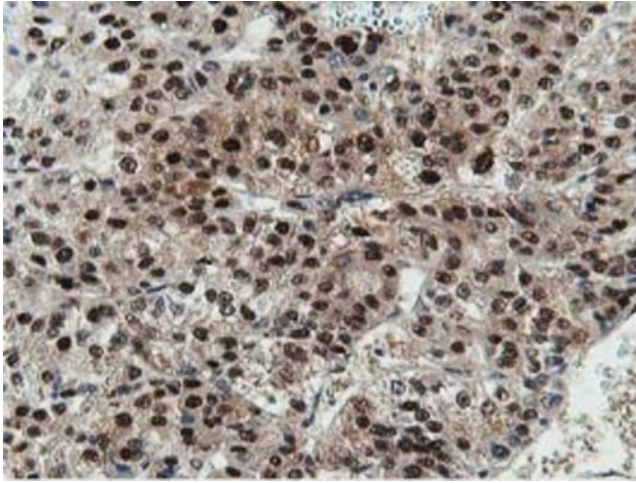
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-DPP3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



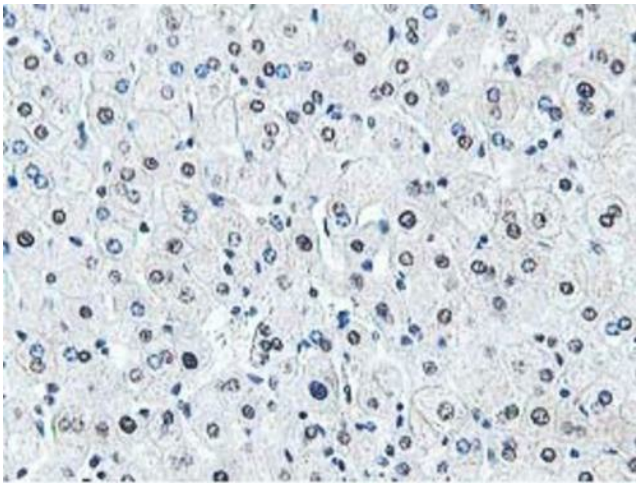
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-DPP3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



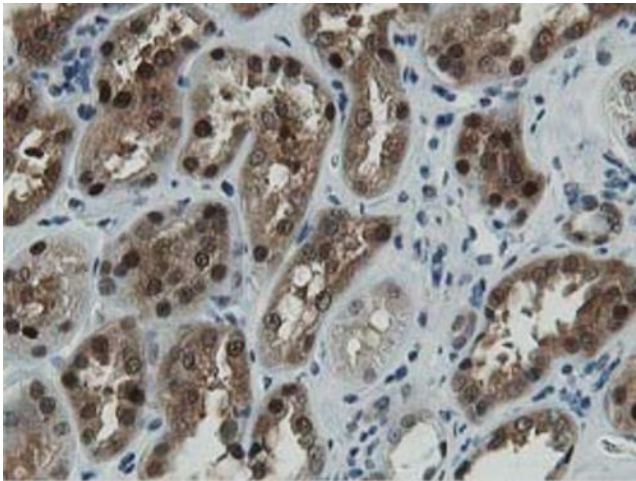
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-DPP3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



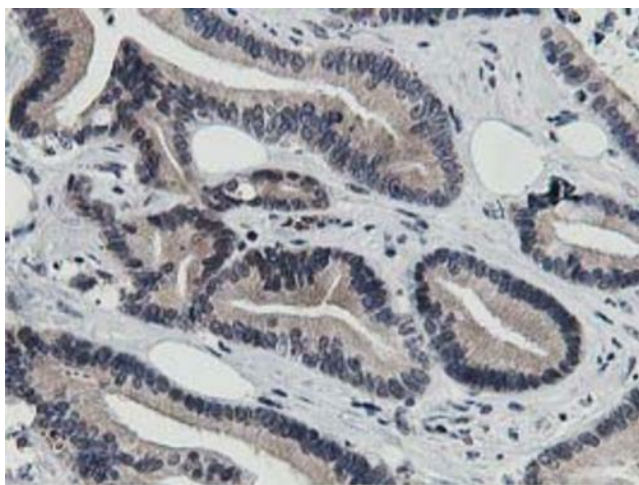
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-DPP3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



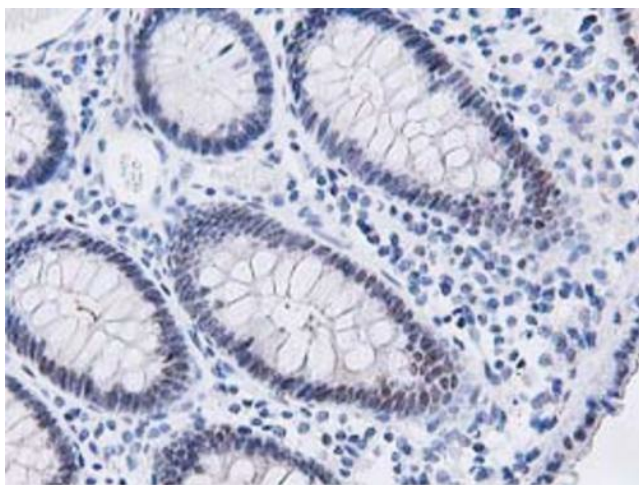
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-DPP3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-DPP3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-DPP3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-DPP3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.