

# Product Datasheet

## DPP9 Antibody (OTI2E3) NBP2-01521

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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[technical@novusbio.com](mailto:technical@novusbio.com)

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**NBP2-01521**

DPP9 Antibody (OTI2E3)

Product Information	
Unit Size	0.1 ml
Concentration	0.71 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI2E3
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	96.4 kDa

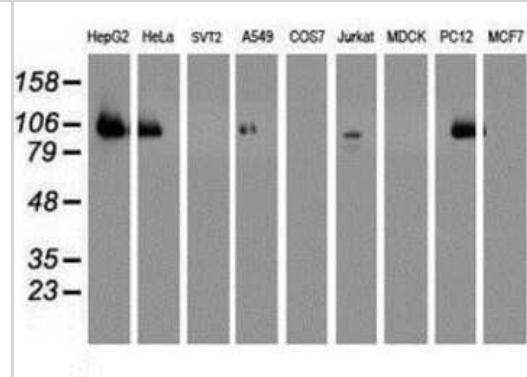
Product Description	
Description	Novus Biologicals Mouse DPP9 Antibody (OTI2E3) (NBP2-01521) is a monoclonal antibody validated for use in IHC, WB and Flow. Anti-DPP9 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	91039
Gene Symbol	DPP9
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Full length human recombinant protein of human DPP9(NP_631898) produced in HEK293T cell.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-2000, Flow Cytometry 1:100, Immunohistochemistry 1:150, Immunohistochemistry-Paraffin 1:150

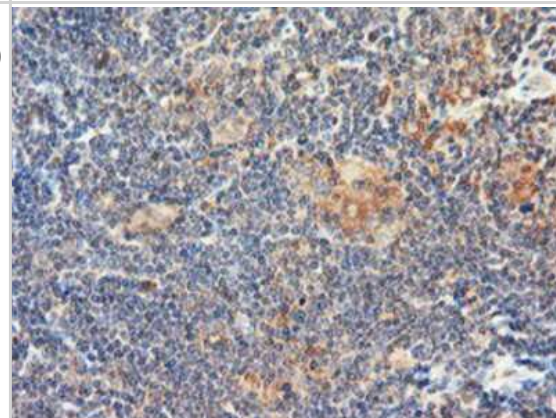


## Images

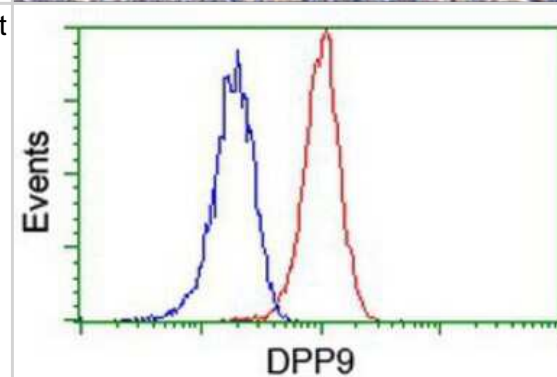
Western Blot: DPP9 Antibody (2E3) [NBP2-01521] Analysis of extracts (35ug) from 9 different cell lines by using anti-DPP9 monoclonal antibody.



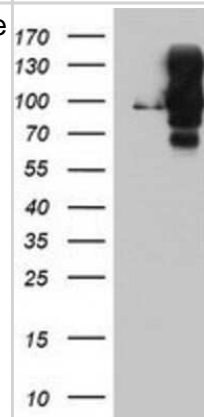
Immunohistochemistry-Paraffin: DPP9 Antibody (2E3) [NBP2-01521] - Staining of paraffin-embedded Human lymphoma tissue using anti-DPP9 mouse monoclonal antibody.



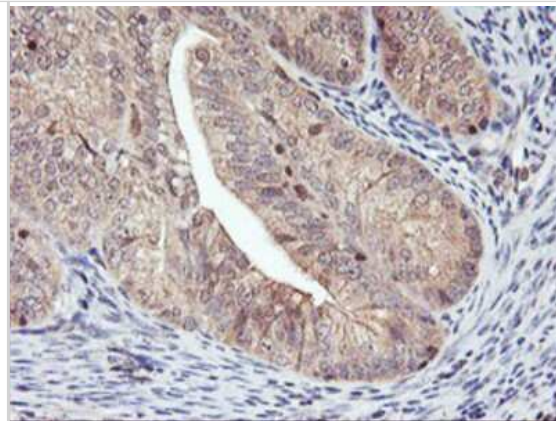
Flow Cytometry: DPP9 Antibody (2E3) [NBP2-01521] - Analysis of Jurkat cells, using anti-DPP9 antibody, (Red), compared to a nonspecific negative control antibody (Blue).



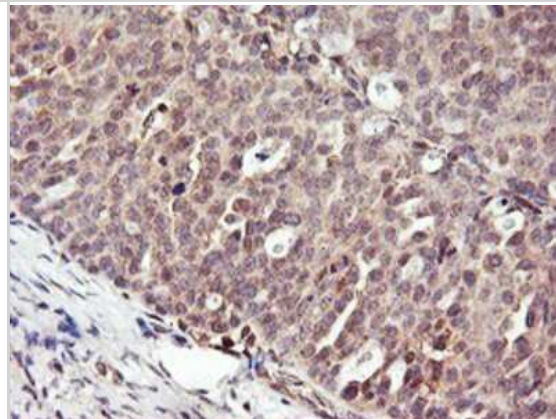
Western Blot: DPP9 Antibody (2E3) [NBP2-01521] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY DPP9 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DPP9.



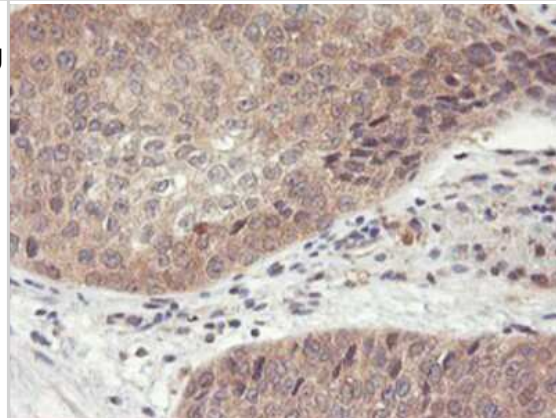
Immunohistochemistry-Paraffin: DPP9 Antibody (2E3) [NBP2-01521] - Staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-DPP9 mouse monoclonal antibody.



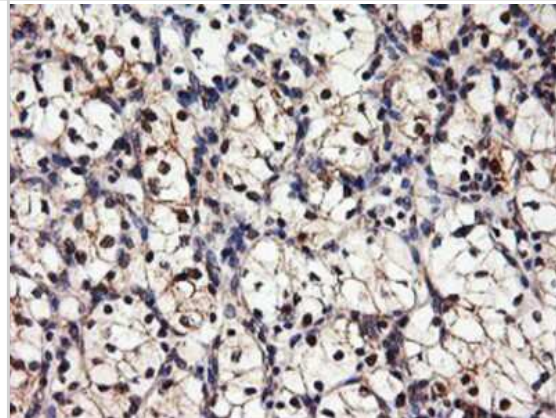
Immunohistochemistry-Paraffin: DPP9 Antibody (2E3) [NBP2-01521] - Staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-DPP9 mouse monoclonal antibody.



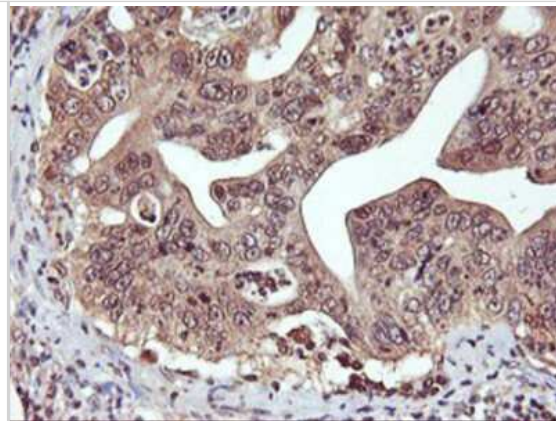
Immunohistochemistry-Paraffin: DPP9 Antibody (2E3) [NBP2-01521] - Staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-DPP9 mouse monoclonal antibody.



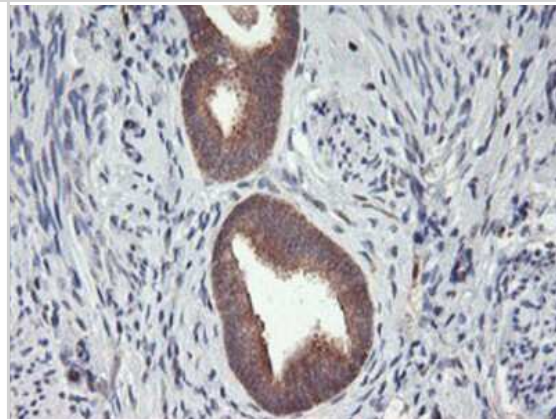
Immunohistochemistry-Paraffin: DPP9 Antibody (2E3) [NBP2-01521] - Staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-DPP9 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: DPP9 Antibody (2E3) [NBP2-01521] - Staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-DPP9 mouse monoclonal antibody.



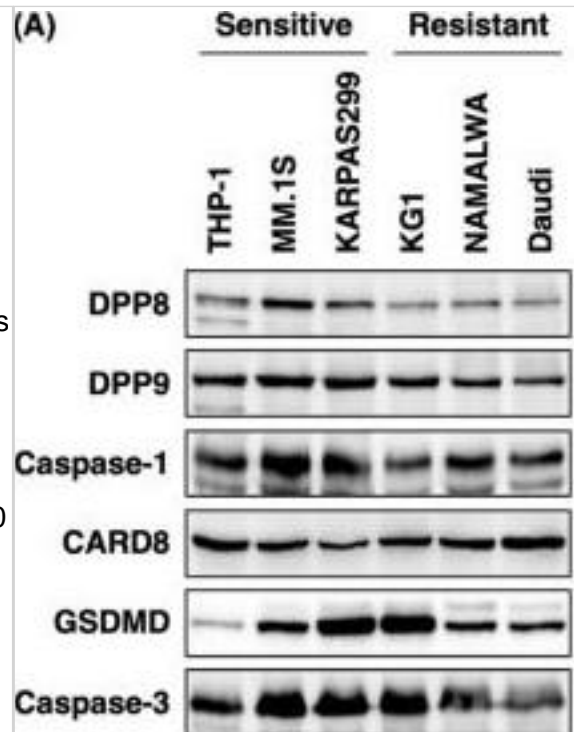
Immunohistochemistry-Paraffin: DPP9 Antibody (2E3) [NBP2-01521] - Staining of paraffin-embedded Human endometrium tissue using anti-DPP9 mouse monoclonal antibody.



DPP9 Antibody (OT12E3)[NBP2-01521]Simple Western analysis of endogenous protein PFKP from MCF-7 lysates (0.1 mg/mL) using PFKP Mouse Monoclonal Antibody . The virtual lane view (left) shows the target (as indicated) at 1:50 dilution of primary antibody. The corresponding electropherogram view (right) plots chemiluminescence by molecular weight along the capillary at a 1:50 dilution of primary antibody. This experiment was performed under reducing conditions on the Jess Simple Western instrument from ProteinSimple, a Bio-Techne brand, using the 12-230 kDa Separation Module.



Dependence on HCK for DPP8/9 inhibitor-induced pyroptosis. (A) Expression level of DPP8, DPP9, caspase-1, CARD8, GSDMD, or caspase-3 in THP-1, MM.1S, KARPAS299, KG1, NAMALWA, or Daudi cells was estimated by Western blot analysis. (B) Gene expression of THP-1, MM.1S, KARPAS299, KG1, NAMALWA, or Daudi cells was analyzed by microarray method using 3D-Gene. (C) Expression level of HCK, LCK, Fyn, c-Fgr, Lyn, or Blk in THP-1, MM.1S, KARPAS299, KG1, NAMALWA, or Daudi cells was estimated by Western blot analysis. (D)  $1.0 \times 10^5$  of hematological cancer cell lines (Jurkat, K562, MOLM-13, NOMO-1, RPMI8226, Raji, or SKM-1) were cultured with 1G244 at doses of 0–10  $\mu$ M for 72 h. Cell number was estimated by a colorimetric assay using WST-1 reagent ( $n = 6$ ). (E) Expression level of HCK or CARD8 in Jurkat, K562, MOLM-13, NOMO-1, RPMI8226, Raji, or SKM-1 cells was estimated by Western blot analysis. (F) Knockdown studies of HCK in MM.1S cells. NT, no treatment; GFP, control vector; KD, knockdown. Expression level of HCK was estimated by Western blot analysis. (G)  $1.0 \times 10^5$  of MM.1S cells and their transfectants were cultured with DPP8/9 inhibitors (1G244 or talabostat) at doses of 0–100  $\mu$ M for 6 h. Cytotoxicity was estimated by a LDH release assay ( $n = 6$ ). Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/37048172>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Kikuchi S, Wada A, Kamihara Y et al. DPP8 Selective Inhibitor Tominostat as a Novel and Broad-Spectrum Anticancer Agent against Hematological Malignancies Cells 2023-04-06 [PMID: 37048172] (WB, Human)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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