

Product Datasheet

DPP8 Antibody (OTI1D2) NBP2-01830

Unit Size: 0.1 ml

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

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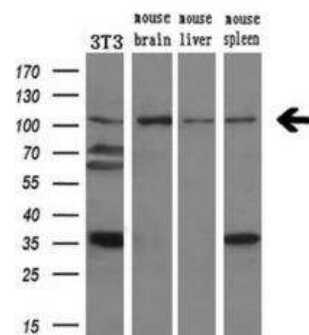


NBP2-01830**DPP8 Antibody (OT11D2)**

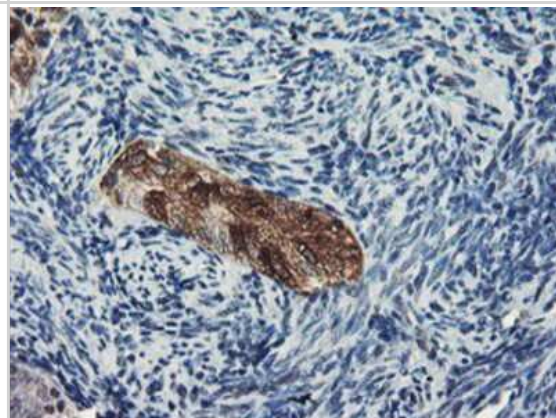
Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OT11D2
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	101.2 kDa
Product Description	
Description	Novus Biologicals Mouse DPP8 Antibody (OT11D2) (NBP2-01830) is a monoclonal antibody validated for use in IHC and WB. Anti-DPP8 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	54878
Gene Symbol	DPP8
Species	Human, Mouse, Rat, Canine
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 DPP8(NP_569118) produced in HEK293T cell.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1000, Immunohistochemistry 1:150, Immunohistochemistry-Paraffin 1:150

Images

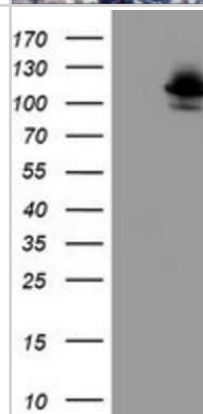
Western Blot: DPP8 Antibody (OTI1D2) [NBP2-01830] - Analysis of extracts (10ug) from a mouse cell line and 3 different mouse tissues by using anti-DPP8 monoclonal antibody (1:200).



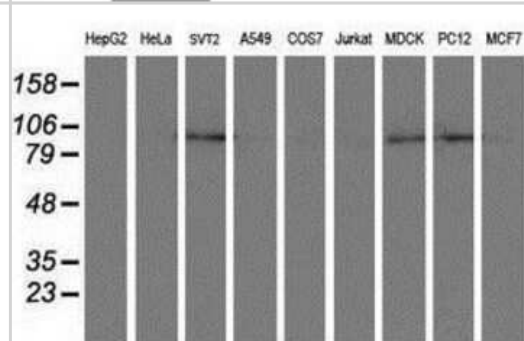
Immunohistochemistry-Paraffin: DPP8 Antibody (OTI1D2) [NBP2-01830] - Staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-DPP8 mouse monoclonal antibody.



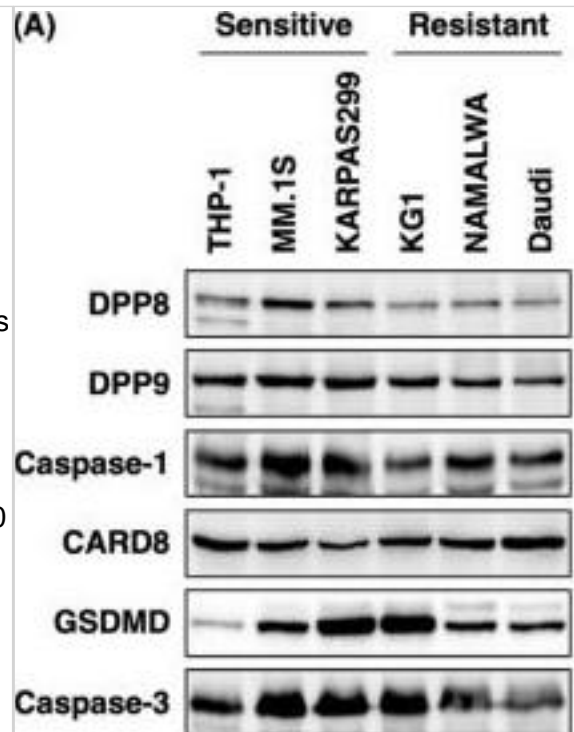
Western Blot: DPP8 Antibody (OTI1D2) [NBP2-01830] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY DPP8 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DPP8.



Western Blot: DPP8 Antibody (OTI1D2) [NBP2-01830] - Analysis of extracts (35ug) from 9 different cell lines by using anti-DPP8 monoclonal antibody.



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) 1.0×10^5 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 μ 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) 1.0×10^5 of MM.1S cells and their transfectants were cultured with DPP8/9 inhibitors (1G244 or talabostat) at doses of 0–100 μ 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)

Brunetti M High-grade serous carcinoma and related tumors: molecular analysis of potential targets Thesis 2020-01-01 (IHC-P, Human)

Brunetti M, Holth A, Panagopoulos I et al. Expression and clinical role of the dipeptidyl peptidases DPP8 and DPP9 in ovarian carcinoma. Virchows Arch. 2018-11-22 [PMID: 30467600] (Human)



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Products Related to NBP2-01830

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)

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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