

# Product Datasheet

## DPPIV/CD26 Antibody - BSA Free NB100-59021

Unit Size: 0.05 mg

Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.

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### Publications: 8

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**NB100-59021**

DPPIV/CD26 Antibody - BSA Free

Product Information	
Unit Size	0.05 mg
Concentration	1.0 mg/ml
Storage	Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS

Product Description	
Description	Product can be stored undiluted at 4C for up to 1 month.
Host	Rabbit
Gene ID	1803
Gene Symbol	DPP4
Species	Human, Primate, Monkey
Reactivity Notes	Use in Human reported in scientific literature (PMID:33704099).
Specificity/Sensitivity	Human DPPIV/CD26. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Immunogen	Synthetic 17 amino acid peptide from internal region of human DPPIV/CD26.

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin 5-10 ug/ml
Application Notes	Use in Western Blot reported in scientific literature (PMID:31237881).

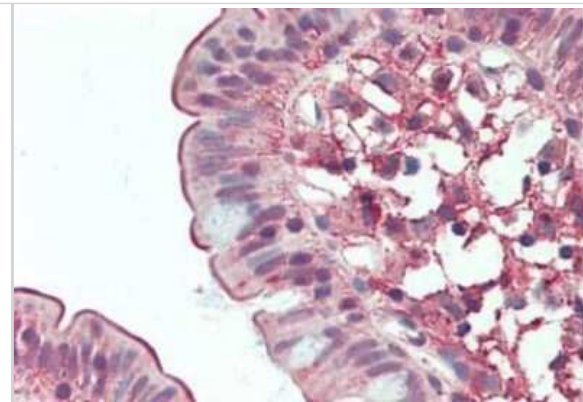
**Images**

Immunohistochemistry-Paraffin: DPPIV/CD26 Antibody - BSA Free [NB100-59021] - Immunohistochemical expression of DPPIV/CD26 in colorectal adenocarcinoma. DPPIV/CD26 immunostaining is located in the cytoplasm of adenomas and CRC cells displaying luminal membrane reinforcement. Image collected and cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pone.0119436>), licensed under a CC-BY license.

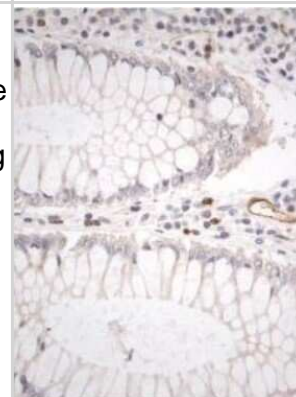


C

Immunohistochemistry-Paraffin: DPPIV/CD26 Antibody - BSA Free [NB100-59021] - Human Small Intestine: Formalin-Fixed, Paraffin-Embedded (FFPE)



Immunohistochemistry-Paraffin: DPPIV/CD26 Antibody - BSA Free [NB100-59021] - Immunohistochemical expression of DPPIV/CD26 in normal colorectal mucosa. DPPIV/CD26 immunostaining is located in the cytoplasm of adenomas and CRC cells displaying luminal membrane reinforcement. Image collected and cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pone.0119436>), licensed under a CC-BY license.



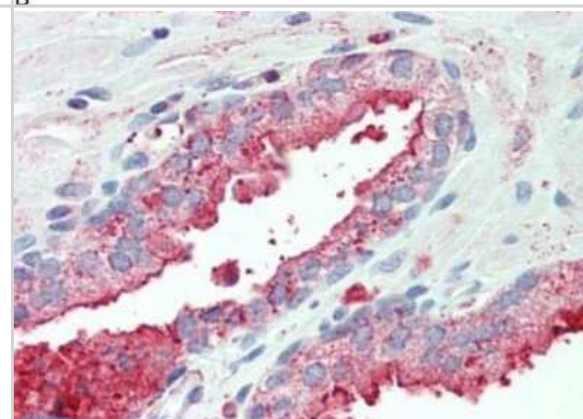
A

Immunohistochemistry-Paraffin: DPPIV/CD26 Antibody - BSA Free [NB100-59021] - Immunohistochemical expression of DPPIV/CD26 in tubulovillous colonic adenoma. DPPIV/CD26 immunostaining is located in the cytoplasm of adenomas and CRC cells displaying luminal membrane reinforcement. Image collected and cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pone.0119436>), licensed under a CC-BY license.



B

Immunohistochemistry-Paraffin: DPPIV/CD26 Antibody - BSA Free [NB100-59021] - Immunohistochemical analysis of human prostate.



## Publications

Taborska P, Lukac P, Stakheev D et al. Novel PD-L1- and collagen-expressing patient-derived cell line of undifferentiated pleomorphic sarcoma (JBT19) as a model for cancer immunotherapy Scientific reports 2023-11-04 [PMID: 37925511] (ICC/IF, Human)

Yoshida M, Kokubun T, Sato K et al. DPP-4 Inhibitors Attenuate Fibrosis After Glaucoma Filtering Surgery by Suppressing the TGF- $\beta$ /Smad Signaling Pathway Investigative ophthalmology & visual science 2023-07-03 [PMID: 37405760] (IHC-P, Human)

Pinto-Lopes P, Melo F, Afonso J et al. Fecal Dipeptidyl Peptidase-4: An Emergent Biomarker in Inflammatory Bowel Disease Clinical and translational gastroenterology 2021-03-10 [PMID: 33704099] (IF/IHC, Human)

Yan L, Tian X, Ye C et al. CD26 as a Promising Biomarker for Predicting Prognosis in Patients with Pancreatic Tumors OncoTargets and therapy 2020-12-08 [PMID: 33335402] (IHC-P, Human)

Huang CN, Wang CJ, Lin CL et al. Abelmoschus esculentus subfractions attenuate beta amyloid-induced neuron apoptosis by regulating DPP-4 with improving insulin resistance signals PLoS ONE 2019-06-25 [PMID: 31237881] (WB, Human)

Larrinaga G, Perez I, Sanz B et al. Dipeptidyl-Peptidase IV Activity Is Correlated with Colorectal Cancer Prognosis. PLoS ONE. 2015-03-20 [PMID: 25790122] (IHC-P, Human)

Amatya VJ, Takeshima Y, Kushitani K et al. Overexpression of CD26/DPPIV in mesothelioma tissue and mesothelioma cell lines. Oncol Rep. 2011-12-01 [PMID: 21894438] (IHC-P, Human)

Aoe K, Amatya VJ, Fujimoto N et al. CD26 overexpression is associated with prolonged survival and enhanced chemosensitivity in malignant pleural mesothelioma. Clinical Cancer Research: An Official Journal of the American Association for Cancer Research. 2012-01-18 [PMID: 22261805]





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### **Products Related to NB100-59021**

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NBL1-09997	DPPIV/CD26 Overexpression Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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