

Product Datasheet

DEFA6 Antibody - BSA Free NBP1-84281

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com



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Publications: 4

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Updated 12/2/2025 v.20.1

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NBP1-84281

DEFA6 Antibody - BSA Free

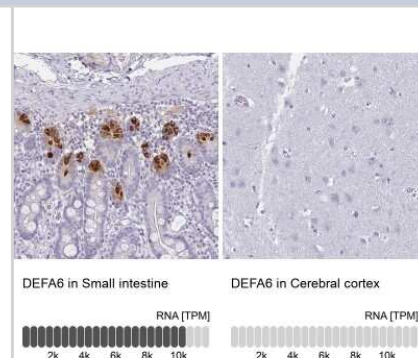
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Description	Novus Biologicals Rabbit DEFA6 Antibody - BSA Free (NBP1-84281) is a polyclonal antibody validated for use in IHC, WB and Simple Western. Anti-DEFA6 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1671
Gene Symbol	DEFA6
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: PLQAEDDPLQAKAYEADAQEQRGANDQDFAVSFAEDASSSLRALGSTRAFTC HCRRCYSTEYSYGTCTVMGINHRFC

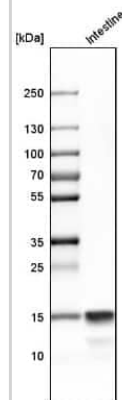
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:5000 - 1:10000, Immunohistochemistry-Paraffin 1:5000 - 1:10000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. See Simple Western Antibody Database for Simple Western validation: Tested in Ileum stem cells day 9 differentiated and day 12 differentiated, separated by Size, antibody dilution of 4 ug/mL, apparent MW was 15 kDa

Images

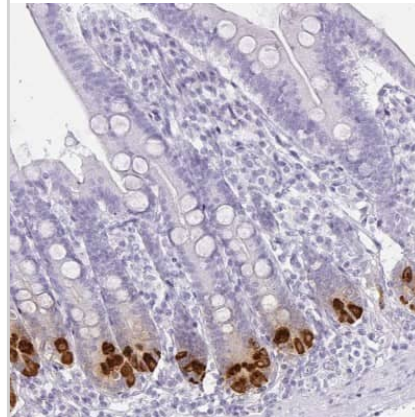
Immunohistochemistry-Paraffin: DEFA6 Antibody [NBP1-84281] - Analysis in human small intestine and cerebral cortex tissues using NBP1-84281 antibody. Corresponding DEFA6 RNA-seq data are presented for the same tissues.



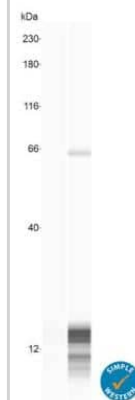
Western Blot: DEFA6 Antibody [NBP1-84281] - Analysis in human small intestine tissue.



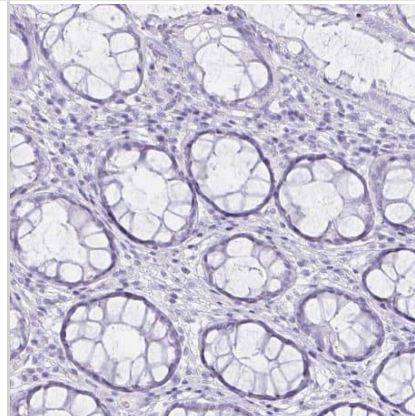
Immunohistochemistry-Paraffin: DEFA6 Antibody [NBP1-84281] - Staining of human duodenum shows cytoplasmic positivity in Paneth cells.



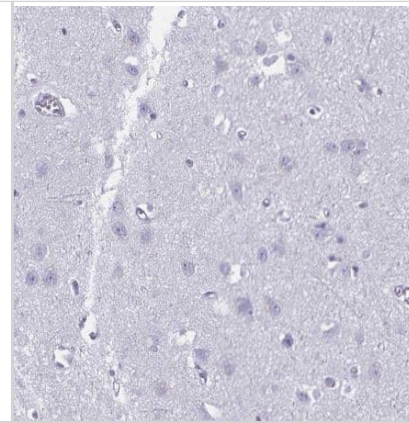
Simple Western: DEFA6 Antibody [NBP1-84281] - Western lane view shows lysates of Ileum stem cells day 9 differentiated and day 12 differentiated, loaded at 0.2 mg/mL. A specific band was detected for DEFA6 at approximately 15 kDa (as indicated) using 4 ug/mL of Rabbit Anti-DEFA6 Polyclonal Antibody (Catalog # NBP1-84281). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.



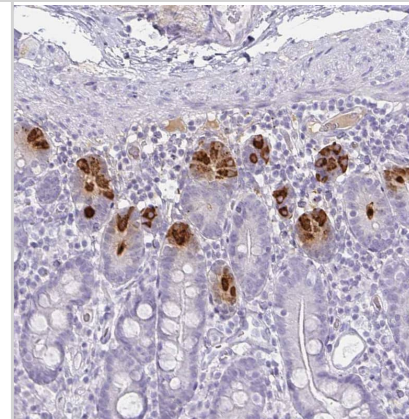
DEFA6 Antibody [NBP1-84281]-Staining of human rectum shows no positivity in glandular cells as expected.



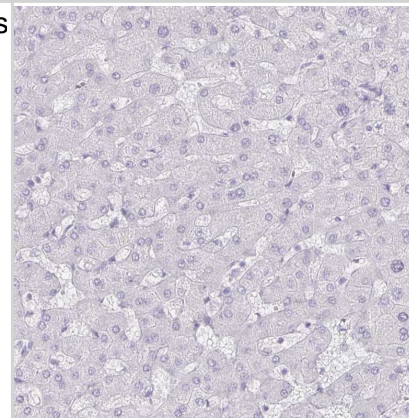
DEFA6 Antibody [NBP1-84281]-Staining of human cerebral cortex shows no cytoplasmic positivity in neuronal cells as expected.



Staining of human small intestine shows strong cytoplasmic positivity in Paneth cells.



Staining of human liver shows no cytoplasmic positivity in hepatocytes as expected.



Publications

A Lebeau, D Bruyere, P Roncarati, P Peixoto, E Hervouet, G Cobravill, B Taminiau, M Masson, C Gallego, G Mazzucchel, N Smargiasso, M Fleron, D Baiwir, E Hendrick, C Pilard, T Lerho, C Reynders, M Ancion, R Greimers, JC Twizere, G Daube, G Schlecht-L, F Bachelerie, JD Combes, P Melin, M Fillet, P Delvenne, P Hubert, M Herfs HPV infection alters vaginal microbiome through down-regulating host mucosal innate peptides used by Lactobacilli as amino acid sources *Nature Communications*, 2022-02-28;13(1):1076. 2022-02-28 [PMID: 35228537]

Lucero CM, Fallert Junecko B, Klamar CR et al. Macaque Paneth Cells Express Lymphoid Chemokine CXCL13 and Other Antimicrobial Peptides Not Previously Described as Expressed in Intestinal Crypts. *Clin Vaccine Immunol* 2013-08-01 [PMID: 23803902]

van Beelen Granlund A, Ostvik AE, Brenna O et al. REG gene expression in inflamed and healthy colon mucosa explored by in situ hybridisation. *Cell Tissue Res* 2013-06-01 [PMID: 23519454]

Granlund Av, Beisvag V, Torp SH et al. Activation of REG family proteins in colitis. *Scand J Gastroenterol* 2011-11-01 [PMID: 21992413]



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Products Related to NBP1-84281

NBP1-84281PEP	DEFA6 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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