

Product Datasheet

Defensin alpha 5 Antibody - BSA Free NBP1-84282

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: 2

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Updated 12/2/2025 v.20.1

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NBP1-84282

Defensin alpha 5 Antibody - BSA Free

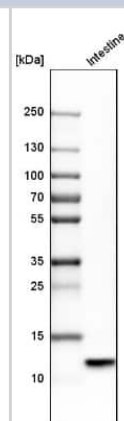
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Description	Novus Biologicals Rabbit Defensin alpha 5 Antibody - BSA Free (NBP1-84282) is a polyclonal antibody validated for use in IHC and WB. Anti-Defensin alpha 5 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1670
Gene Symbol	DEFA5
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: ESLQERADEATTQKQSGEDNQDLAISFAGNGLSALRTSGSQARATCYCRTGR CATRESLSGVCEISGRLYRLCCR

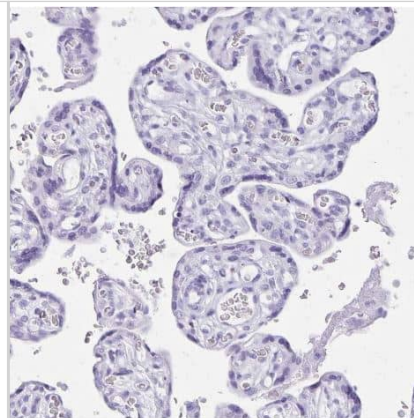
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

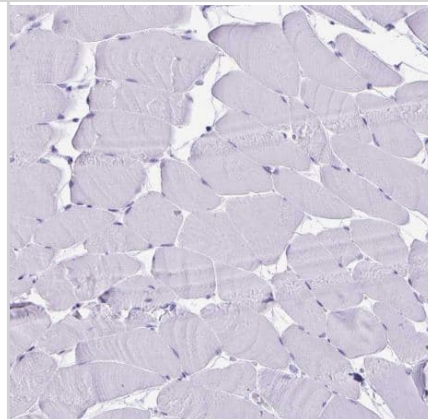
Western Blot: Defensin alpha 5 Antibody [NBP1-84282] - Analysis in human small intestine tissue.



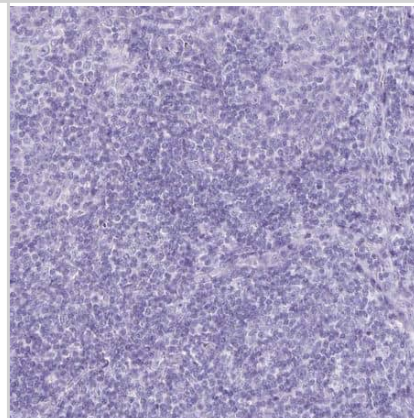
Immunohistochemistry-Paraffin: Defensin alpha 5 Antibody [NBP1-84282] - Staining of human placenta shows no positivity in trophoblastic cells as expected.



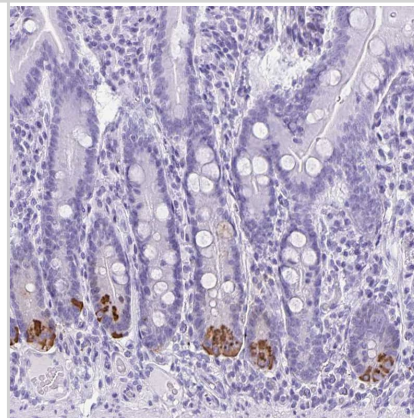
Immunohistochemistry-Paraffin: Defensin alpha 5 Antibody [NBP1-84282] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



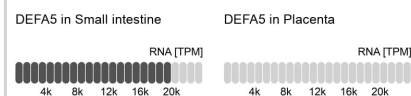
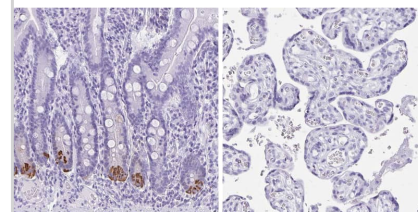
Immunohistochemistry-Paraffin: Defensin alpha 5 Antibody [NBP1-84282] - Staining of human tonsil shows no positivity in non-germinal center cells as expected.



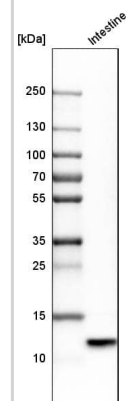
Staining of human small intestine shows strong cytoplasmic positivity in Paneth cells.



Analysis in human small intestine and placenta tissues using HPA015775 antibody. Corresponding DEFA5 RNA-seq data are presented for the same tissues.



Analysis in human small intestine tissue.



Publications

Balasubramanian I, Bandyopadhyay S, Flores J et al. Infection and inflammation stimulate expansion of a CD74+ Paneth cell subset to regulate disease progression *The EMBO journal* 2023-09-18 [PMID: 37718683]

Lee HJ, Nam KT, Park HS et al. Gene expression profiling of metaplastic lineages identifies CDH17 as a prognostic marker in early stage gastric cancer. *Gastroenterology* 2010-07-01 [PMID: 20398667]



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Products Related to NBP1-84282

NBP1-84282PEP	Defensin alpha 5 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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