

Product Datasheet

MUC5B Antibody - BSA Free NBP1-92151

Unit Size: 0.1 ml

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

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Publications: 9

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NBP1-92151

MUC5B 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

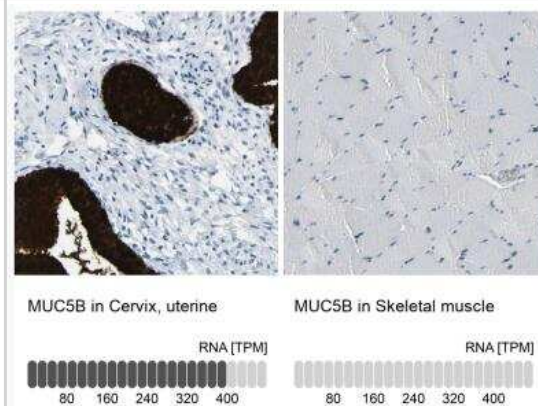
Product Description	
Description	Novus Biologicals Rabbit MUC5B Antibody - BSA Free (NBP1-92151) is a polyclonal antibody validated for use in IHC and ICC/IF. Anti-MUC5B Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	727897
Gene Symbol	MUC5B
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: CTCTYEDRTYSYQDVIYNTTDDGLGACLIACGSNGTIIRKAVACPGTPATTPFTFT TAWVPHSTTSPALPVSTVCVREVCRWSSWYNGHRPEPGLGGGDFETFENLR QRGYQVCPVLA

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

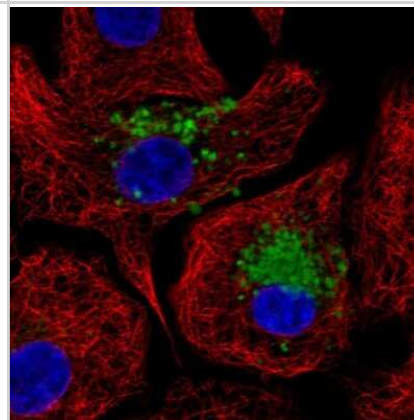


Images

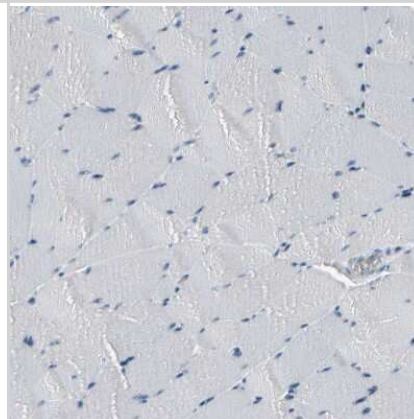
Immunohistochemistry-Paraffin: MUC5B Antibody [NBP1-92151] - Analysis in human cervix, uterine and skeletal muscle tissues. Corresponding MUC5B RNA-seq data are presented for the same tissues.



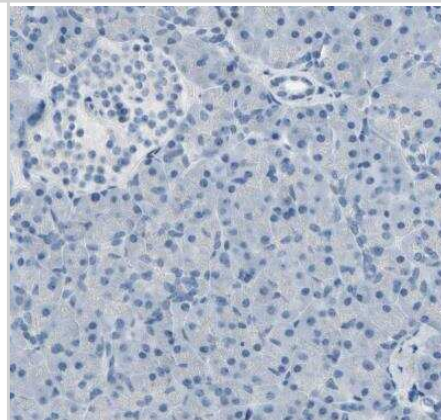
Immunocytochemistry/Immunofluorescence: MUC5B Antibody [NBP1-92151] - Staining of human cell line A549 shows localization to vesicles. Antibody staining is shown in green.



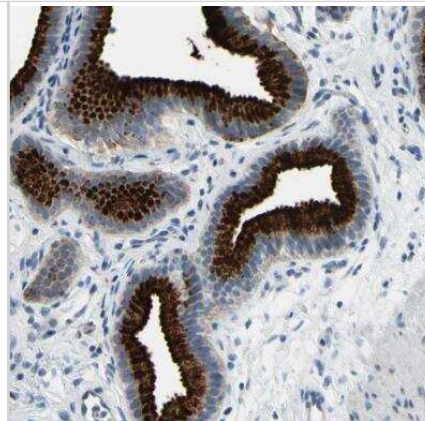
Immunohistochemistry-Paraffin: MUC5B Antibody [NBP1-92151] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



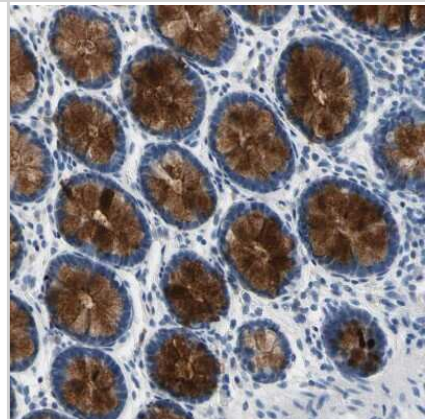
Immunohistochemistry-Paraffin: MUC5B Antibody [NBP1-92151] - Staining of human pancreas shows no positivity in exocrine glandular cells as expected.



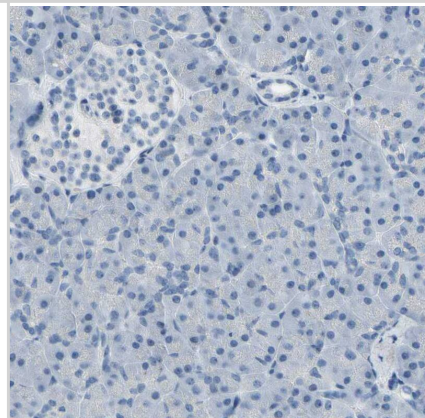
Immunohistochemistry-Paraffin: MUC5B Antibody [NBP1-92151] - Staining of human gallbladder shows very strong cytoplasmic positivity in glandular cells.



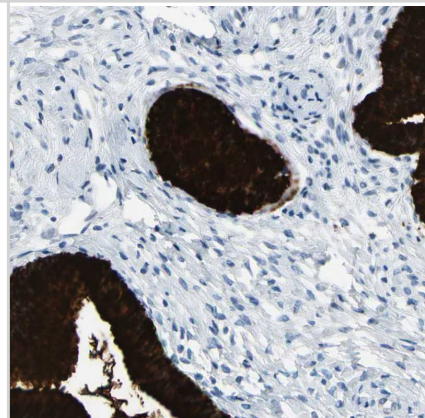
Immunohistochemistry-Paraffin: MUC5B Antibody [NBP1-92151] - Staining of human lower gastrointestinal shows strong extracellular space positivity in glandular cells.



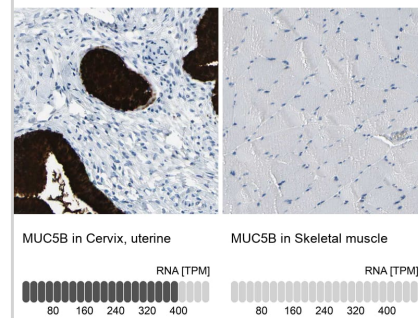
Staining of human pancreas shows no positivity in exocrine glandular cells as expected.



Staining of human cervix, uterine shows very strong extracellular space positivity in glandular cells.



Analysis in human cervix, uterine and skeletal muscle tissues using NBP1-92151 antibody. Corresponding MUC5B RNA-seq data are presented for the same tissues.



Publications

Cao W, Li J, Che L et al. Single-cell transcriptomics reveals e-cigarette vapor-induced airway epithelial remodeling and injury *Respiratory Research* 2024-09-28 [PMID: 39342154]

Yusuke Ueda, Haruta Mogami, Yosuke Kawamura, Masahito Takakura, Asako Inohaya, Eriko Yasuda, Yu Matsuzaka, Yoshitsugu Chigusa, Shinji Ito, Masaki Mandai, Eiji Kondoh Cervical MUC5B and MUC5AC are Barriers to Ascending Pathogens During Pregnancy. *The Journal of clinical endocrinology and metabolism* 2022-11-24 [PMID: 36112402]

Yong-Shun Ye, Di-Fei Chen, Ming Liu, Yu-Long Luo, Huan-Jie Chen, Hai-Kang Zeng, Jing-Wei Liu, Yi-Ping Zhu, Xin-Yu Song, Chang-Qin Lin, Zhu-Quan Su, Shi-Yue Li Autologous Airway Basal Cell Transplantation Alleviates Airway Epithelium Defect in Recurrent Benign Tracheal Stenosis Stem Cells *Translational Medicine* 2023-12-01 [PMID: 37804518]

Takahashi J, Mizutani T, Sugihara H et al. Suspension culture in a rotating bioreactor for efficient generation of human intestinal organoids *Cell reports methods* 2022-11-21 [PMID: 36452871] (IF/IHC, Human)

Tan Y, Flynn W, Sivajothi S Et al. Single cell analysis of endometriosis reveals a coordinated transcriptional program driving immunotolerance and angiogenesis across eutopic and ectopic tissues *Nat Cell Biol* 2022-07-21 [PMID: 35864314]

Yin W, Lontos A, Koepke J et al. An essential function for autocrine Hedgehog signaling in epithelial proliferation and differentiation in the trachea *bioRxiv* 2022-01-01 [PMID: 35112129] (ICC/IF, Human)

Carrer M, Crosby Jr, Sun G et Al. Antisense Oligonucleotides Targeting Jagged 1 Reduce House Dust Mite-Induced Goblet Cell Metaplasia in the Adult Murine Lung *Am. J. Respir. Cell Mol. Biol.* 2020-03-16 [PMID: 32176858]

Gry M, Oksvold P, Ponten F et al. Tissue specific protein expression in human cells, tissues and organs. *J Proteomics Bioinform* 2010-01-01

Meyerholz DK, Stoltz DA, Namati E et al. Loss of cystic fibrosis transmembrane conductance regulator function produces abnormalities in tracheal development in neonatal pigs and young children. *Am J Respir Crit Care Med* 2010-11-01 [PMID: 20622026]



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Products Related to NBP1-92151

NBP1-92151PEP	MUC5B Recombinant Protein Antigen
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

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