Rabbit anti-Human MUC5B Polyclonal Antibody | anti-MUC5B antibody

MUC5B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31141	**Rabbit**	**Human**	**Western Blot, Immunofluorescence, Immunocytochemistry**

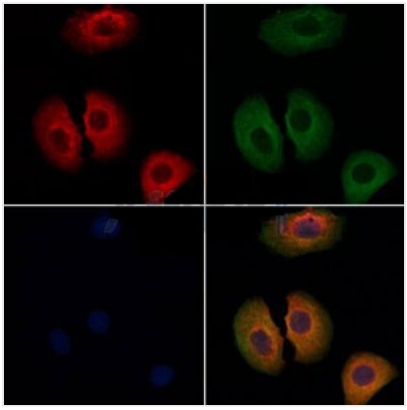
PRODUCT SYNONYMS

MUC5B; Polyclonal Antibody; MUC5B Antibody; 2300002I04Rik; A130042M24; AV085033; Cervical mucin; Cervical mucin MUC5B; High molecular weight salivary mucin MG1; MG1; MUC-5B; MUC5; MUC5B_HUMAN; MUC9; Mucin 5 subtype B; tracheobronchial; Mucin 5B; Mucin 5B oligomeric mucus/gel forming; Mucin-5 subtype B; Mucin-5B; Sublingual gland mucin; anti-MUC5B antibody

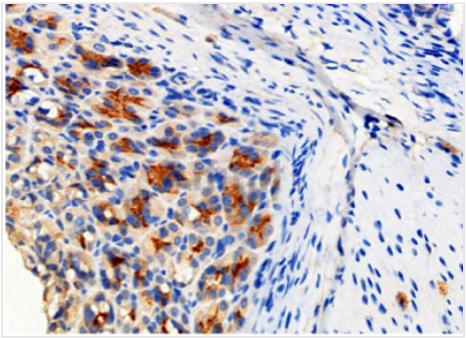
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	MUC5B antibody detects endogenous levels of total MUC5B
Purity/Purification	Peptide affinity purification
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Applicable Applications for anti-MUC5B antibody	WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry)
Application Notes	WB: 1:1000-3000 IF/ICC: 1:100-1:500 IHC: 1:50-1:200 ELISA(peptide): 1:20000-1:40000 The optimal dilutions should be determind by the end user. IMPORTANT: For western blot, incubate membrane with diluted primary Abin 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.
Immunogen	A synthesized peptide derived from human MUC5B, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

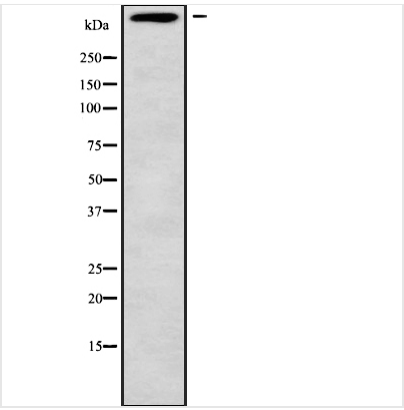
IMAGES



IF (Immunofluorescence)
AAA31141 staining Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA31141 1:200) and mouse anti-beta tubulin Ab(1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.



IHC (Immunohistochemistry)
AAA31141at 1/100 staining Rat stomach tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of MUC5B using COLO205 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-MUC5B antibody	Function: Gel-forming mucin that is thought to contribute to the lubricating and viscoelastic properties of whole saliva and cervical mucus. Similarity: The cysteine residues in the Cys-rich subdomain repeats are not involved in disulfide bonding.

NCBI AND UNIPROT INFORMATION

NCBI GI #	301172750
NCBI GeneID	727897
NCBI Accession #	NP_002449.2
NCBI GenBank Nucleotide #	NM_002458.2
UniProt Accession #	Q9HC84; O00447; O00573; O14985; O15494; O95291; O95451; Q14881; Q7M4S5; Q99552; Q9UE28
Molecular Weight	596kDa
NCBI Official Full Name	mucin-5B
NCBI Official Synonym Full Names	mucin 5B, oligomeric mucus/gel-forming

NCBI Official Symbol	MUC5B
NCBI Official Synonym Symbols	MG1; MUC5; MUC9; MUC-5B
NCBI Protein Information	mucin-5B
UniProt Protein Name	Mucin-5B
UniProt Gene Name	**MUC5B**
UniProt Synonym Gene Names	MUC5; MUC-5B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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