

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

Anti-MUC5B Antibody Picoband

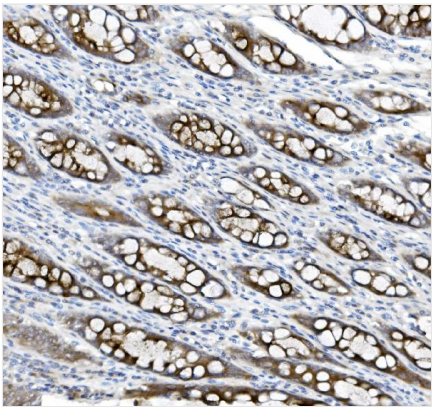
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                |
|-----------|--------|------------|-----------------------------|
| AAA126064 | Rabbit | Human      | ELISA, Immunohistochemistry |

### PRODUCT SYNONYMS

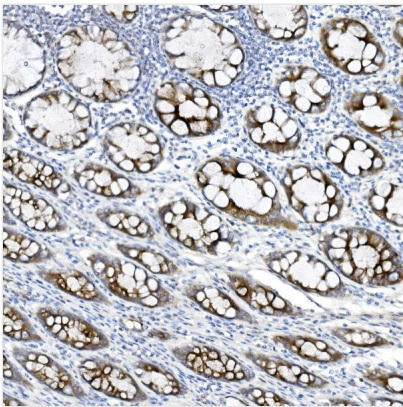
MUC5B; Polyclonal Antibody; Anti-MUC5B Antibody Picoband; anti-MUC5B antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                              |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                       |
| Reactivity                                      | Human                                                                                                                                                                                                                        |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                   |
| Isotype                                         | Rabbit IgG                                                                                                                                                                                                                   |
| Purity/Purification                             | Immunogen affinity purified.                                                                                                                                                                                                 |
| Form/Format                                     | Lyophilized<br>Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                                     |
| Concentration                                   | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)                                                                                                                                    |
| Applicable Applications for anti-MUC5B antibody | ELISA, IHC (Immunohistochemistry)                                                                                                                                                                                            |
| Reconstitution                                  | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.                                                                                                                                                    |
| Immunogen                                       | E Coli-derived human MUC5B recombinant protein (Position: A5688-V5762).                                                                                                                                                      |
| Preparation and Storage                         | Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing. |



**IHC (Immunohistochemistry)**  
Figure 2. IHC analysis of MUC5B using anti-MUC5B antibody (AAA126064).MUC5B was detected in a paraffin-embedded section of human rectal cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-MUC5B Antibody (AAA126064) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



**IHC (Immunohistochemistry)**  
Figure 1. IHC analysis of MUC5B using anti-MUC5B antibody (AAA126064).MUC5B was detected in a paraffin-embedded section of human rectal cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-MUC5B Antibody (AAA126064) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MUC5B antibody | Mucin 5B (MUC5B/Muc5b) is a protein that in humans is encoded by the MUC5B gene and by Muc5b gene in mouse. This gene encodes a member of the mucin family of proteins, which are highly glycosylated macromolecular components of mucus secretions. This family member is the major gel-forming mucin in mucus. It is a major contributor to the lubricating and viscoelastic properties of whole saliva, normal lung mucus and cervical mucus. This gene has been found to be up-regulated in some human diseases, including sinus mucosa of chronic rhinosinusitis (CRS), CRS with nasal polyposis, chronic obstructive pulmonary disease (COPD) and H. pylori-associated gastric disease, and it may be involved in the pathogenesis of these diseases. |
| Product Categories/Family for anti-MUC5B antibody   | Primary Antibodies, Rabbit Polyclonal Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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                 | 596,340 Da                                                                                                                             |
| 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; cervical mucin MUC5B; sublingual gland mucin; mucin 5, subtype B, tracheobronchial; high molecular weight salivary mucin MG1 |
| UniProt Protein Name             | Mucin-5B                                                                                                                               |

|                            |              |
|----------------------------|--------------|
| UniProt Gene Name          | MUC5B        |
| UniProt Synonym Gene Names | MUC5; MUC-5B |
| UniProt Entry Name         | MUC5B_HUMAN  |

**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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Online datasheet: <https://www.aaabiotech.com/polyclonal/muc5b-antibody-immunohistochemistry-elisa/126064>