

## Rabbit anti-Human MUC5AC Polyclonal Antibody | anti-MUC5AC antibody

MUC5AC Polyclonal Antibody

|                               |                       |                            |                                                    |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA169181</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA</b> |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------|

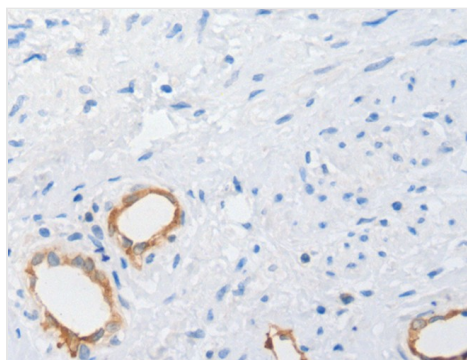
### PRODUCT SYNONYMS

MUC5AC; Polyclonal Antibody; MUC5AC Polyclonal Antibody; TBM; leB; MUC5; anti-MUC5AC antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                  |
|--------------------------------------------------|--------------------------------------------------|
| Host                                             | Rabbit                                           |
| Reactivity                                       | Human                                            |
| Clonality                                        | Polyclonal                                       |
| Isotype                                          | IgG                                              |
| Purity/Purification                              | Affinity purification                            |
| Concentration                                    | 0.8mg/mL (varies by lot)                         |
| Sequence Length                                  | 5654                                             |
| Applicable Applications for anti-MUC5AC antibody | IHC (Immunohistochemistry), ELISA                |
| Preparation and Storage                          | Store at -20 degree C. Avoid freeze/thaw cycles. |

### IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using MUC5AC Polyclonal Antibody at dilution 1:100

### ADDITIONAL INFORMATION

#### Related Product Information for anti-MUC5AC antibody

Background: Mucin-5AC is a protein that in humans is encoded by the MUC5AC gene. This gene has been linked to mucus hypersecretion in the pulmonary tracts and associated to chronic obstructive pulmonary disease (COPD). Gel-forming glycoprotein of gastric and respiratory tract epithelia that protects the mucosa from infection and chemical damage by binding to inhaled microorganisms and particles that are subsequently removed by the mucociliary system. Highly expressed in surface mucosal cells of respiratory tract and stomach epithelia. Overexpressed in a number of carcinomas. Also expressed in Barrett's esophagus epithelium and in the proximal duodenum.

|                                                    |                                                                                                                                            |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-MUC5AC antibody | Cancer; Epigenetics                                                                                                                        |
| References                                         | Experimental <i>Pseudomonas aeruginosa</i> mediated rhino sinusitis in mink. S. Kirkebya, A.S. Hammerb, N. Høibyc, C.M. Salomonsend (2016) |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 748983076                                                                                                                                                                                                                                               |
| NCBI GeneID                      | 4586                                                                                                                                                                                                                                                    |
| NCBI Accession #                 | XP_003119529                                                                                                                                                                                                                                            |
| NCBI GenBank Nucleotide #        | NM_001304359.1                                                                                                                                                                                                                                          |
| UniProt Accession #              | P98088; O60460; O76065; Q13792; Q14425; Q658Q1; Q7M4S5; Q8N4M9; Q8WWQ3; Q8WWQ4; Q8WWQ5                                                                                                                                                                  |
| NCBI Official Full Name          | mucin-5AC                                                                                                                                                                                                                                               |
| NCBI Official Synonym Full Names | mucin 5AC, oligomeric mucus/gel-forming                                                                                                                                                                                                                 |
| NCBI Official Symbol             | MUC5AC                                                                                                                                                                                                                                                  |
| NCBI Official Synonym Symbols    | TBM; leB; MUC5                                                                                                                                                                                                                                          |
| NCBI Protein Information         | mucin-5AC; gastric mucin; lewis B blood group antigen; major airway glycoprotein; mucin 5, subtypes A and C, tracheobronchial/gastric; mucin 5AC, oligomeric mucus/gel-forming pseudogene; mucin-5 subtype AC, tracheobronchial; tracheobronchial mucin |
| UniProt Protein Name             | Mucin-5AC                                                                                                                                                                                                                                               |
| UniProt Gene Name                | <b>MUC5AC</b>                                                                                                                                                                                                                                           |
| UniProt Synonym Gene Names       | MUC5; MUC-5AC; LeB; TBM                                                                                                                                                                                                                                 |
| UniProt Entry Name               | MUC5A_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.