

## Rabbit MUC1 Polyclonal Antibody | anti-MUC1 antibody

MUC1 Antibody

| CATALOG # | HOST   | REACTIVITY    | APPLICATIONS                                     |
|-----------|--------|---------------|--------------------------------------------------|
| AAA75710  | Rabbit | Human, Monkey | Immunoprecipitation, Immunohistochemistry, ELISA |

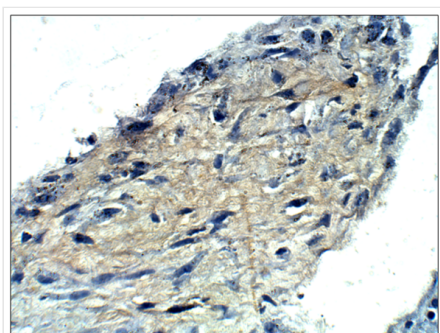
### PRODUCT SYNONYMS

MUC1; Polyclonal Antibody; MUC1 Antibody; ADMCKD; Breast carcinoma-associated antigen DF3; CA 15 3; CD227 antigen; DF3 antigen; EMA; Episialin; Epithelial basement membrane antigen; H23 antigen; KL 6; MAM 6; MCD; MCKD1; MUC 1; Peanut-reactive urinary mucin; Polymorphic epithelial mucin; Tumor associated epithelial membrane antigen antibody; anti-MUC1 antibody

### PRODUCT SPECIFICATIONS

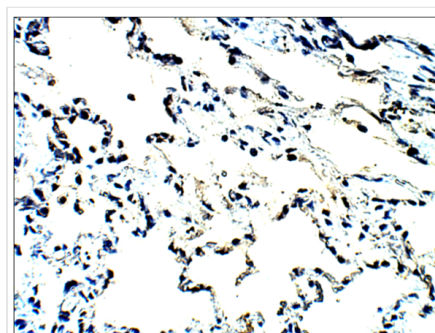
|                                                |                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                                                               |
| Reactivity                                     | Human, Monkey                                                                                                                                                                                                                                                                                                        |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                                                                           |
| Specificity                                    | Will detect deglycosylated MUCIN1 protein.                                                                                                                                                                                                                                                                           |
| Form/Format                                    | Affinity Purified                                                                                                                                                                                                                                                                                                    |
| Concentration                                  | 0.65 ug/ul in antibody stabilization buffer (varies by lot)                                                                                                                                                                                                                                                          |
| Sequence Length                                | 1255                                                                                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-MUC1 antibody | IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA                                                                                                                                                                                                                                                          |
| Immunogen                                      | Synthetic peptide corresponding to unique amino acid sequence on MUCIN1 protein.                                                                                                                                                                                                                                     |
| Expression                                     | Expressed on the apical surface of epithelial cells, especially of airway passages, breast and uterus. Also expressed in activated and unactivated T-cells. Overexpressed in epithelial tumors, such as breast or ovarian cancer and also in non-epithelial tumor cells. Isoform 7 is expressed in tumor cells only. |
| Molecular Function                             | transcription cofactor activity                                                                                                                                                                                                                                                                                      |
| Subcellular Location                           | Cell membrane, Cytoplasm, Membrane, Nucleus, Secreted                                                                                                                                                                                                                                                                |
| Preparation and Storage                        | -20• degree C for long term storage                                                                                                                                                                                                                                                                                  |

### IMAGES



Baboon Lung- MUC1  
Primary Antibody: 1:100 dilution in IHC Blocking Buffer.  
DAB (brown) staining and Hematoxylin QS (blue) counterstain.  
40X magnification on Leica DM4000 microscope. FFPE section.

IHC (Immunohistochemistry)



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IHC (Immunohistochemistry)

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                        |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MUC1 antibody | Affinity Purified Mucin 1, transmembrane Antibody<br>The alpha subunit has cell adhesive properties. Can act both as an adhesion and an anti-adhesion protein. May provide a protective layer on epithelial cells against bacterial and enzyme attack. |
| Product Categories/Family for anti-MUC1 antibody   | Primary Antibodies; Cancer Research; Tumor Associated; MUC1 Antibody                                                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                               |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 296439295                                                                                                                     |
| NCBI GeneID                      | 4582                                                                                                                          |
| NCBI Accession #                 | P15941.3                                                                                                                      |
| NCBI GenBank Nucleotide #        | NM_182741.1                                                                                                                   |
| UniProt Accession #              | P15941; P13931; P15942; P17626; A5YRV1; A6ZID9; A6ZIE0; B1AVQ8; B1AVR0; B6ECA1; E7ESE5; E7EUG9                                |
| Molecular Weight                 | 28,297 Da                                                                                                                     |
| NCBI Official Full Name          | Mucin-1                                                                                                                       |
| NCBI Official Synonym Full Names | mucin 1, cell surface associated                                                                                              |
| NCBI Official Symbol             | MUC1                                                                                                                          |
| NCBI Official Synonym Symbols    | EMA; MCD; PEM; PUM; KL-6; MAM6; MCKD; PEMT; CD227; H23AG; MCKD1; MUC-1; ADMCKD; ADMCKD1; CA 15-3; MUC-1/X; MUC1/ZD; MUC-1/SEC |
| NCBI Protein Information         | mucin-1                                                                                                                       |
| UniProt Protein Name             | Mucin-1                                                                                                                       |
| UniProt Gene Name                | <b>MUC1</b>                                                                                                                   |
| UniProt Synonym Gene Names       | PUM; MUC-1; CA 15-3; KL-6; PUM; PEM; EMA; MUC1-NT; MUC1-alpha; MUC1-beta                                                      |
| UniProt Entry Name               | MUC1_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://stage.aaabiotech.com/polyclonal/muc1-antibody-immunoprecipitation-immunohistochemistry-elisa/75710>