

## Rabbit MUC2 Polyclonal Antibody | anti-MUC2 antibody

MUC2 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                |
|-----------|--------|-------------------|-----------------------------------------------------------------------------|
| AAA31137  | Rabbit | Human, Mouse, Rat | Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry |

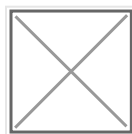
### PRODUCT SYNONYMS

MUC2; Polyclonal Antibody; MUC2 Antibody; Intestinal mucin 2; Intestinal mucin-2; MLP; MUC 2; MUC-2; Muc2; MUC2\_HUMAN; Mucin 2; Mucin 2 intestinal; Mucin 2 intestinal/tracheal; Mucin 2 oligomeric mucus/gel forming; Mucin 2 precursor; Mucin 2 tracheal; Mucin like protein; Mucin-2; Mucin2; SMUC; anti-MUC2 antibody

### PRODUCT SPECIFICATIONS

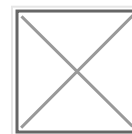
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|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                          |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                                                                                                                                               |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                                      |
| Isotype                                        | IgG                                                                                                                                                                                                                                                                             |
| Specificity                                    | MUC2 antibody detects endogenous levels of total MUC2                                                                                                                                                                                                                           |
| Purity/Purification                            | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).                                                                                                                                                       |
| Form/Format                                    | Rabbit IgG in 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-MUC2 antibody | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)                                                                                                                                                                               |
| Application Notes                              | WB: 1:1000-3000<br>IHC: 1:50-1:200<br>IF/ICC: 1:100-1:500<br>The optimal dilutions should be determined by the end user.<br>IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight. |
| Immunogen                                      | A synthesized peptide derived from human MUC2, corresponding to a region within N-terminal amino acids.                                                                                                                                                                         |
| Preparation and Storage                        | Store at -20°C. Stable for 12 months from date of receipt.                                                                                                                                                                                                                      |

### IMAGES



#### WB (Western Blot)

Western blot analysis of MUC2 using HT-29 whole cell lysates



#### IF (Immunofluorescence)

AAA31137 staining SW480 cells by ICC/IF. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600 was used as secondary antibody.

ADDITIONAL INFORMATION

|            |                                                                                                                                                                                                                                                                                            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | Wang J, Lu J, Xie X, Xiong J, Huang N, Wei H, Jiang S, Peng J; Journal: Int Immunopharmacol. Blend of organic acids and medium chain fatty acids prevents the inflammatory response and intestinal barrier dysfunction in mice challenged with enterohemorrhagic Escherichia coli O157:H7. |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                       |
|----------------------------------|---------------------------------------|
| NCBI GI #                        | 2506877                               |
| NCBI GeneID                      | 4583                                  |
| UniProt Accession #              | Q02817; Q14878                        |
| Molecular Weight                 | 540 kDa                               |
| NCBI Official Full Name          | Mucin-2                               |
| NCBI Official Synonym Full Names | mucin 2, oligomeric mucus/gel-forming |
| NCBI Official Symbol             | MUC2                                  |
| NCBI Official Synonym Symbols    | MLP; SMUC; MUC-2                      |
| NCBI Protein Information         | mucin-2                               |
| UniProt Protein Name             | Mucin-2                               |
| UniProt Gene Name                | MUC2                                  |
| UniProt Synonym Gene Names       | SMUC; MUC-2                           |

**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/muc2-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/31137>