SunLong Biotech Co.,LTD
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**[ Primary Antibody ]**

# Rabbit Anti-mucin3/MUC3 antibody

**Catalog Number: SL1525R**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

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|---|---|
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | mucin3/MUC3 |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human mucin3: 1501-1600/1719 |
| **Purification:** | affinity purified by Protein A |
| **Concentration:** | 1mg/ml |
| **Storage:** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Applications:** | IHC-P=1:100-500<br>IHC-F=1:100-500<br>IF=1:100-500<br>ELISA=1:5000-10000 （Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | (predicted: Human) |
| **Predicted MW.:** | 264kDa |
| **Subcellular Location:** | The cell membrane Secretory protein |
| **Background:** | MUC3 (Mucin 3) is an intestinal glycoprotein distributed in the colon and rectum, and to a lesser extent in breast, lung and salivary tissues. It is involved in conferring mucous visoelasticity.<br>**Function:** Major glycoprotein component of a variety of mucus gels.Thought to provide a protective, lubricating barrier againstparticles and infectious agents at mucosal surfaces. May beinvolved in ligand binding and intracellular signaling.<br>**Subcellular Location:** Isoform 1: Membrane; Single-pass membrane protein.<br>Isoform 2: Secreted.<br>Isoform 3: Secreted.<br>Isoform 4: Secreted. |

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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| | Isoform 5: Secreted.<br>**Tissue Specificity:** Broad specificity; small intestine, colon,colonic tumors, heart, liver, thymus, prostate, pancreas and gallbladder.<br>**Post-translational modifications:** Highly O-glycosylated and probably also N-glycosylated.<br>**Similarity:** Contains 1 EGF-like domain.<br>Contains 1 SEA domain.<br>**Database links:**<br>**Entrez Gene:** 4584 Human<br>**Entrez Gene:** 57876 Human<br>Omim: 158371 Human<br>Omim: 605633 Human<br>**SwissProt:** Q02505 Human<br>**SwissProt:** Q9H195 Human |

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