

MUC2 polyclonal antibody

Catalog # PAB14513

Size 500 uL

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MUC2.
Immunogen	A synthetic peptide (conjugated with carrier protein) corresponding to human MUC2.
Host	Rabbit
Reactivity	Human
Form	Liquid
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Immunohistochemistry (Frozen sections) (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM phosphate buffer, 150 mM NaCl, pH 7.4 (1% BSA, 0.05% sodium azide)
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry
- Immunocytochemistry

Gene Info — MUC2

Entrez GeneID [4583](#)

Gene Name MUC2

Gene Alias	MLP, SMUC
Gene Description	mucin 2, oligomeric mucus/gel-forming
Omim ID	158370
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the mucin protein family. Mucins are high molecular weight glyco proteins produced by many epithelial tissues. The protein encoded by this gene is secreted and forms an insoluble mucous barrier that protects the gut lumen. The protein polymerizes into a gel of which 80% is composed of oligosaccharide side chains by weight. The protein features a central domain containing tandem repeats rich in threonine and proline that varies between 50 and 115 copies in different individuals. Alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq]
Other Designations	mucin 2 mucin 2, intestinal/tracheal mucin-like protein

Publication Reference

- [Localization of mucin \(MUC2 and MUC3\) messenger RNA and peptide expression in human normal intestine and colon cancer.](#)

Chang SK, Dohrman AF, Basbaum CB, Ho SB, Tsuda T, Toribara NW, Gum JR, Kim YS.

Gastroenterology 1994 Jul; 107(1):28.

Application: ICC, Human, Small Intestine

- [MUC-2 human small intestinal mucin gene structure. Repeated arrays and polymorphism.](#)

Toribara NW, Gum JR Jr, Culhane PJ, Lagace RE, Hicks JW, Petersen GM, Kim YS.

The Journal of Clinical Investigation 1991 Sep; 88(3):1005.

- [Molecular cloning of human intestinal mucin cDNAs. Sequence analysis and evidence for genetic polymorphism.](#)

Gum JR, Byrd JC, Hicks JW, Toribara NW, Lamport DT, Kim YS.

The Journal of Biological Chemistry 1989 Apr; 264(11):6480.

Pathway

- [Vibrio cholerae infection](#)

Disease

- [Asthma](#)
- [Bronchiolitis](#)
- [Chronic Disease](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Lung Diseases](#)
- [Otitis Media](#)
- [Otitis Media with Effusion](#)
- [Recurrence](#)
- [Respiratory Syncytial Virus Infections](#)
- [Stomach Neoplasms](#)
- [Tobacco Use Disorder](#)