

**MUC5AC Antibody**  
Rabbit mAb  
Catalog # AP91256

## Specification

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### MUC5AC Antibody - Product Information

Application	WB, IHC, ICC
Primary Accession	<a href="#">P98088</a>
Clonality	Monoclonal
<b>Other Names</b>	
Apomucin; Gastric mucin; LeB; MUC5AC; Mucin 5AC oligomeric mucus/gel forming; TBM;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	585570 Da

### MUC5AC Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human MUC5AC
Description	Gastric Mucin 5AC antigen is found in columnar mucus cells of surface gastric epithelium and in goblet cells of the fetal and precancerous colon but not in normal colon. Resurgence of gastric mucin during colonic carcinogenesis is suggestive of either re-expression of the peptide core of gastric mucin in the adult colon or due to changes in the glycosylation pattern of mucin, which expose the hidden Mucin 5AC antigen.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

### MUC5AC Antibody - Protein Information

**Name** MUC5AC {ECO:0000303|PubMed:11535137, ECO:0000312|HGNC:HGNC:7515}

#### Function

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 (PubMed:<a href="http://www.uniprot.org/citations/14535999" target="\_blank">14535999</a>, PubMed:<a href="http://www.uniprot.org/citations/14718370" target="\_blank">14718370</a>). Interacts with H.pylori in the gastric epithelium, Barrett's esophagus as well as in gastric metaplasia of the

duodenum (GMD) (PubMed:<a href="http://www.uniprot.org/citations/14535999" target="\_blank">14535999</a>).

#### Cellular Location

Secreted

#### Tissue Location

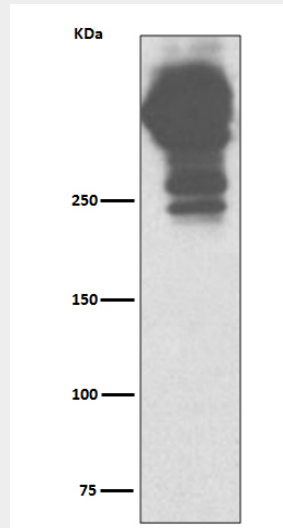
Highly expressed in surface mucosal cells of respiratory tract and stomach epithelia. Overexpressed in a number of carcinomas. Also expressed in Barrett's esophagus epithelium and in the proximal duodenum.

### MUC5AC Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### MUC5AC Antibody - Images



Western blot analysis of MUC5AC expression in human stomach lysate.