

**MUC5AC**  
Mouse Monoclonal Antibody (Mab)  
Catalog # APA151

## Specification

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### MUC5AC - Product Information

Application	IHC
Primary Accession	<a href="#">P98088</a>
Host	Mouse
Clonality	Monoclonal
Calculated MW	585570 Da

### MUC5AC - Additional Information

Gene ID	4586
Gene Name	MUC5AC {ECO:0000303 PubMed:11535137, ECO:0000312 HGNC:HGNC:7515}

#### Other Names

Mucin-5AC, MUC-5AC, Gastric mucin, Major airway glycoprotein, Mucin-5 subtype AC, tracheobronchial, Tracheobronchial mucin, TBM, MUC5AC {ECO:0000303|PubMed:11535137, ECO:0000312|HGNC:HGNC:7515}

Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MUC5AC is for research use only and not for use in diagnostic or therapeutic procedures.

### MUC5AC - 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="#">14535999</a> , PubMed: <a href="#">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="#">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 - 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 - Images**