

Anti-MUC5AC Antibody
Catalog # AP54143

Specification

Anti-MUC5AC Antibody - Product Information

Application	IHC
Primary Accession	P98088
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	585570

Anti-MUC5AC Antibody - Additional Information

Gene ID 4586

Other Names

MUC5; Mucin-5AC; MUC-5AC; Gastric mucin; Lewis B blood group antigen; LeB; Major airway glycoprotein; Mucin-5 subtype AC tracheobronchial; Tracheobronchial mucin; TBM; Fragments

Target/Specificity

Recognizes endogenous levels of MUC5AC protein.

Format

Mouse IgG1. Liquid in PBS containing 50% glycerol, 0.2% BSA and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-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: [14535999](http://www.uniprot.org/citations/14535999), PubMed: [14718370](http://www.uniprot.org/citations/14718370)). Interacts with H.pylori in the gastric epithelium, Barrett's esophagus as well as in gastric metaplasia of the duodenum (GMD) (PubMed: [14535999](http://www.uniprot.org/citations/14535999) target="_blank">14535999).

Cellular Location

Secreted

Tissue Location

Highly expressed in surface mucosal cells of respiratory tract and stomach epithelia.

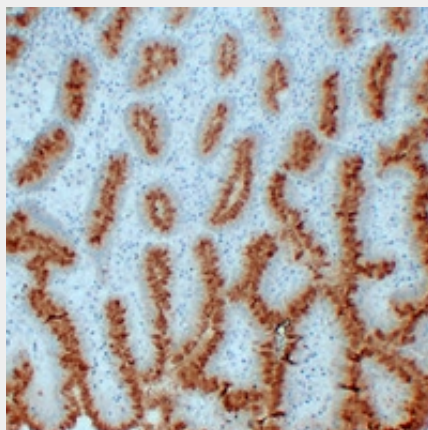
Overexpressed in a number of carcinomas. Also expressed in Barrett's esophagus epithelium and in the proximal duodenum.

Anti-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](#)

Anti-MUC5AC Antibody - Images



Immunohistochemical analysis of MUC5AC staining in human stomach formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Anti-MUC5AC Antibody - Background

Mouse monoclonal antibody to MUC5AC