

MUC5AC
Mouse Monoclonal antibody(Mab)
Catalog # AD80151

Specification

MUC5AC - Product info

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

MUC5AC - Additional info

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}

Dilution

IHC-P~~Ready-to-use
IHC~~Ready-to-use

Storage

Maintain refrigerated at 2-8°C

Precautions

MUC5AC Antibody 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.

Cellular Location
Tissue Location

Secreted.
Highly expressed in surface mucosal cells of respiratory tract and stomach epithelia. Overexpressed in a number of carcinomas.

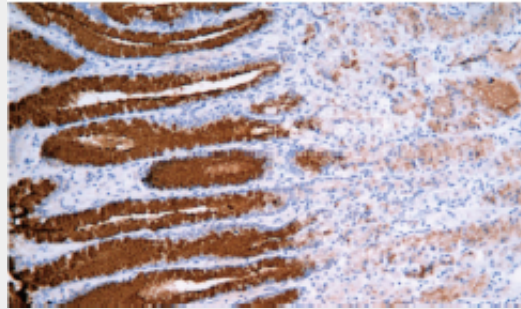
Also expressed in Barrett's esophagus epithelium and in the proximal duodenum.

MUC5AC - Protocols

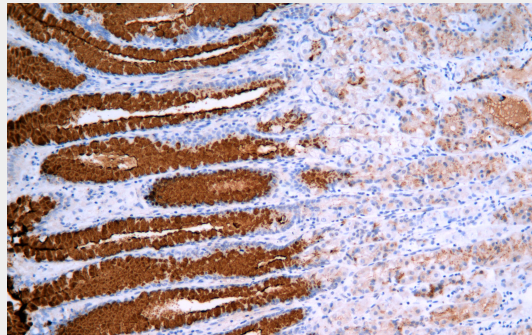
Provided below are standard protocols that you may find useful for product applications.

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

MUC5AC - Images



Gastric tissues



Immunohistochemical analysis of paraffin-embedded human stomach tissue using AD80151 performed on the Abcarta® FAIP-30 Fully automated IHC platform. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a Citrate buffer (pH6.0). Samples were incubated with primary antibody (Ready-to-use) for 15 min at room temperature. AmpSee™ Detection Systems [Abcepta:AR005] was used as the secondary antibody.