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Anti-MUC5AC Antibody

Catalog # AP54143

Product Information

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

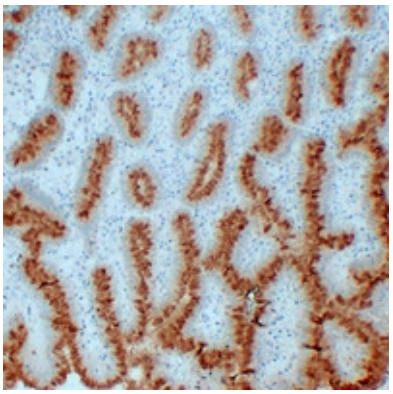
Additional Information

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	KLH-conjugated synthetic peptide encompassing a sequence within human MUC5AC. The exact sequence is proprietary.
Dilution	IHC~~1/100 - 1/300
Format	Mouse IgG1. Liquid in PBS containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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, PubMed:14718370). Interacts with H.pylori in the gastric epithelium, Barrett's esophagus as well as in gastric metaplasia of the duodenum (GMD) (PubMed: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.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.