

Product Name: MUC5AC (10H12) Rabbit Monoclonal Antibody
Catalog #: AMRe14234



Summary

Production Name	MUC5AC (10H12) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	MUC5AC {ECO:0000303 PubMed:11535137, ECO:0000312 HGNC:HGNC:7515}
Alternative Names	Apomucin; Gastric mucin; LeB; MUC5AC; Mucin 5AC oligomeric mucus/gel forming; TBM;
Gene ID	4586.0
SwissProt ID	P98088.

Application

Dilution Ratio	WB 1:500-1:2000
Molecular Weight	586kDa

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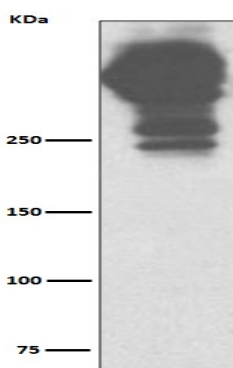


Background

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. 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)).

Research Area

Image Data



Western blot analysis of MUC5AC expression in human stomach lysate.

Note

For research use only.