

MUC5AC Rabbit pAb

CatalogNo: YN0880

Key Features

Host Species

- Rabbit

Reactivity

- Human

Applications

- IHC,IF

MW

- 553kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

IHC 1:50-300

IF 1:50-200

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human protein . at AA range: 4400-4480

Specificity MUC5A Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name MUC5AC MUC5

Protein Name	Mucin-5AC (MUC-5AC) (Gastric mucin) (Lewis B blood group antigen) (LeB) (Major airway glycoprotein) (Mucin-5 subtype AC, tracheobronchial) (Tracheobronchial mucin) (TBM) (Fragments)		
	Organism	Gene ID	UniProt ID
	Human		P98088 ;
Cellular Localization	Cytoplasmic		
Tissue specificity	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.		
Function	Domain:The cysteine residues in the Cys-rich subdomain repeats are not involved in disulfide bonding. ,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 particulates that are subsequently removed by the mucociliary system. ,PTM:C- , O- and N-glycosylated. O-glycosylated on the Thr-/Ser-rich tandem repeats. C-mannosylation in the Cys-rich subdomains may be required for proper folding of these regions and for export from the endoplasmic reticulum during biosynthesis. ,PTM:Proteolytic cleavage in the C-terminal is initiated early in the secretory pathway and does not involve a serine protease. The extent of cleavage is increased in the acidic parts of the secretory pathway. Cleavage generates a reactive group which could link the protein to a primary amide. ,similarity:Contains 1 CTCK (C-terminal cystine knot-like) domain. ,similarity:Contains 2 VWFC domains. ,similarity:Contains 4 VWFD domains. ,subunit:Multimeric. Interacts with H.pylori in the gastric epithelium , Barrett's esophagus as well as in gastric metaplasia of the duodenum (GMD) . ,tissue specificity: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. ,		

| Validation Data

| Contact information

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