

**Mucin 5AC (PT0248R) PT® Rabbit mAb**

<b>Catalog No :</b>	YM8156
<b>Reactivity :</b>	Human;Mouse;Rat;
<b>Applications :</b>	WB;IHC;IF;IP;ELISA
<b>Target :</b>	MUC5AC
<b>Fields :</b>	>>IL-17 signaling pathway
<b>Gene Name :</b>	MUC5AC MUC5
<b>Protein Name :</b>	Mucin-5AC (MUC-5AC) (Gastric mucin) (Lewis B blood group antigen) (LeB) (Major airway glycoprotein) (Mucin-5 subtype AC, tracheobronchial) (Tracheobronchial mucin) (TBM) (Fragments)
<b>Human Swiss Prot No :</b>	P98088
<b>Specificity :</b>	endogenous
<b>Formulation :</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
<b>Source :</b>	Monoclonal, rabbit, IgG, Kappa
<b>Dilution :</b>	IHC 1:200-1:1000,WB 1:1000-1:5000,IF 1:200-1:1000,ELISA 1:5000-1:20000,IP 1:50-1:200,
<b>Purification :</b>	Protein A
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	527kD
<b>Observed Band :</b>	130-600kD
<b>Background :</b>	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 particules 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.,

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**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 particules 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:Conta

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**Subcellular Location :**

Cytoplasm

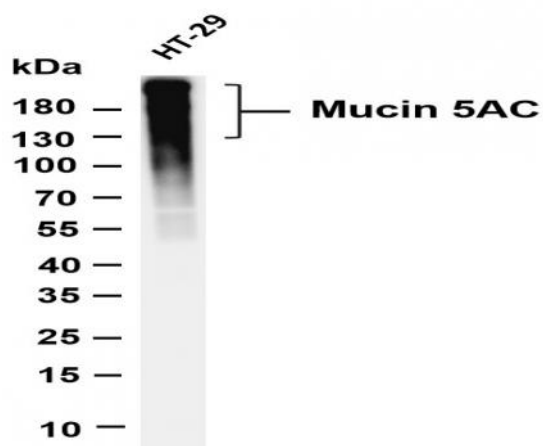
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**Expression :**

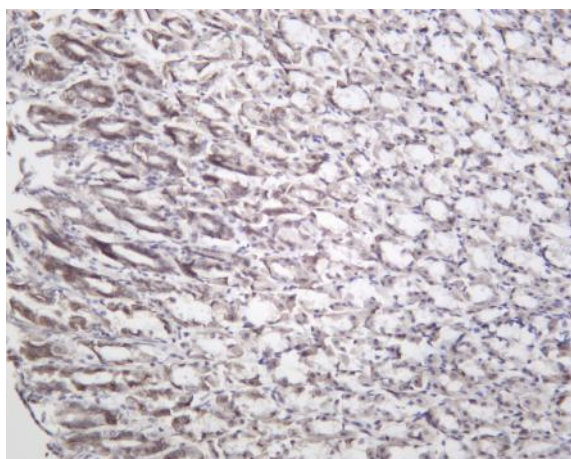
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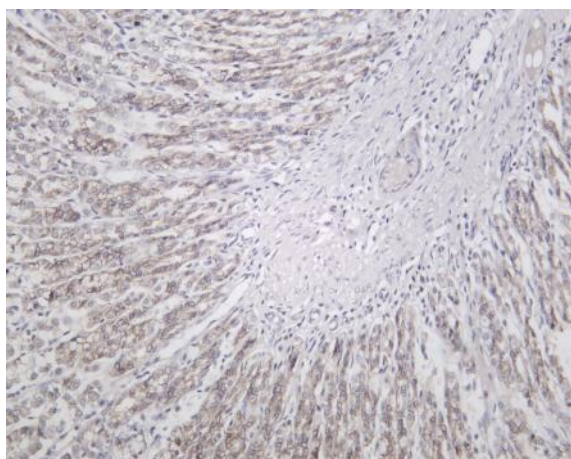
## Products Images



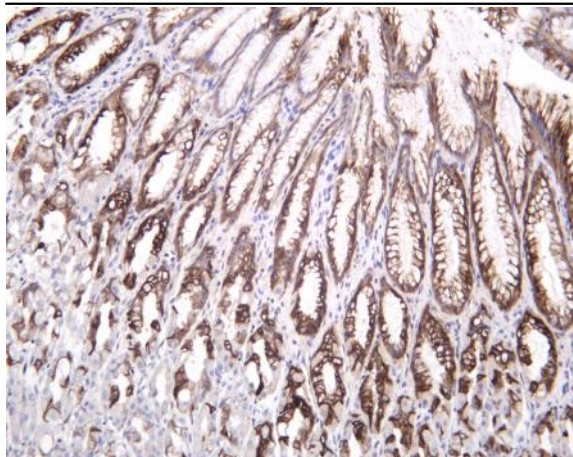
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Mucin 5AC (PT0248R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HT-29  
Predicted band size: 527kDa Observed band size: 130-600kDa



Mouse stomach was stained with Anti-Mucin 5AC (PT0248R) rabbit antibody



Rat stomach was stained with Anti-Mucin 5AC (PT0248R) rabbit antibody



Human stomach was stained with Anti-Mucin 5AC (PT0248R) rabbit antibody