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Anti-Mucin 5AC Rabbit mAb [93B45]

Catalog No.: A52227

Basic Information

Catalog No. (Cat.No.)	A52227
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Synonyms	Mucin 5AC,MUC5AC,Gastric mucin,MUC5AC

Product Information

Target	Mucin 5AC
Molecular Weight(Calculated)	586 kDa
Molecular Weight(Observed)	586 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	93B45
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:200-1:1000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Mucin-5AC
Gene Name	*MUC5AC*
Domain	NA
Background	MUC5AC (Mucin-5AC, mucin 5AC, oligomeric mucus/gel-forming) belongs to gel-forming secreted mucin family and mediates gel-mucus biosynthesis and epithelial protection in respiratory and gastric tissues. Produced by airway goblet cells and gastric surface epithelial cells, heavily O-glycosylated MUC5AC forms hydrated gel to trap pathogens and particles, mitigating chemical and mechanical epithelial damage. MUC5AC is abundant in normal gastric mucosa. Elevated MUC5AC represents hallmark mucus hypersecretion in asthma, chronic bronchitis and COPD. Aberrant MUC5AC expression occurs in gastric and biliary carcinoma and serves as pathological biomarker.