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Anti-MUC2 Rabbit mAb [33A51]

Catalog No.: A52226

Basic Information

Catalog No. (Cat.No.)	A52226
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Synonyms	Intestinal mucin,MUC2

Product Information

Target	MUC2
Molecular Weight(Calculated)	551 kDa
Molecular Weight(Observed)	140-170 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	33A51
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	1:2000-1:10000
IHC	1:1000-1:4000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Mucin-2
Gene Name	*MUC2*
Domain	NA
Background	MUC2 (Mucin-2) is a secreted mucin family protein responsible for intestinal mucus barrier formation and mucosal protection. Synthesized and secreted by goblet cells, MUC2 constitutes the major component of intestinal mucus layers, building a bilayer mucus structure that separates epithelium from gut microbiota and prevents bacterial invasion. Heavy O-linked glycosylation dominates its biochemical properties. Defective expression or structural alteration of MUC2 disrupts intestinal barrier and contributes to inflammatory bowel disease and enteric infection. Down-regulated MUC2 is observed in colon carcinoma and acts as a progression biomarker.