

A4767

Leader in Biomolecular Solutions for Life Science



# MUC2 Rabbit mAb

Catalog No.: A4767

Recombinant

13 Publications

## Basic Information

### Observed MW

110kDa

### Calculated MW

551kDa

### Category

SMab Recombinant Monoclonal  
Antibody

### Applications

WB,IHC-P,ELISA

### Cross-Reactivity

Human,Mouse,Rat

### CloneNo number

ARC1012

## Background

This gene encodes a member of the mucin protein family. Mucins are high molecular weight glycoproteins produced by many epithelial tissues. The protein encoded by this gene is secreted and forms an insoluble mucous barrier that protects the gut lumen. The protein polymerizes into a gel of which 80% is composed of oligosaccharide side chains by weight. The protein features a central domain containing tandem repeats rich in threonine and proline that varies between 50 and 115 copies in different individuals. Downregulation of this gene has been observed in patients with Crohn disease and ulcerative colitis.

## Recommended Dilutions

WB 1:1000 - 1:2000

IHC-P 1:500 - 1:2000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

4583

### Swiss Prot

Q02817

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 5000-5100 of human MUC2 (Q02817).

### Synonyms

MLP; SMUC; MUC-2; MUC2

## Contact

 [www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

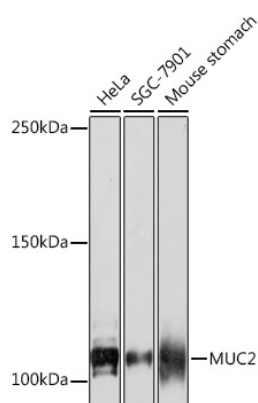
Affinity purification

### Storage

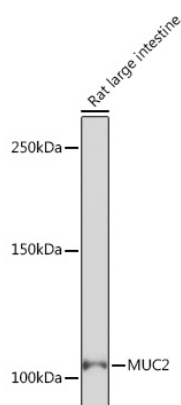
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

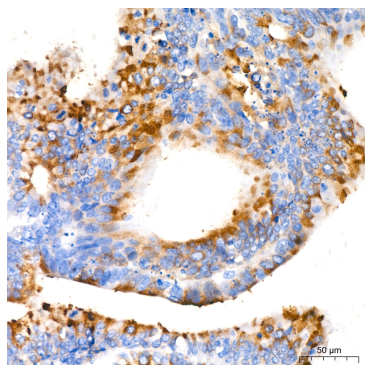
## Validation Data



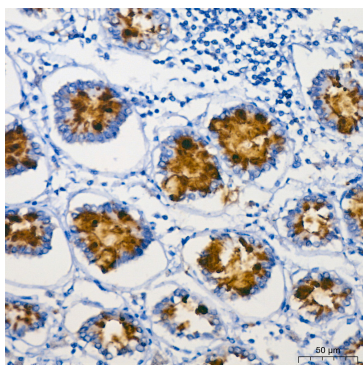
Western blot analysis of various lysates using MUC2 Rabbit mAb (A4767) at 1:1000 dilution.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 90s.



Western blot analysis of lysates from Rat large intestine, using MUC2 Rabbit mAb (A4767) at 1:1000 dilution.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Enhanced Kit (RM00021).  
 Exposure time: 3min.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using MUC2 Rabbit mAb (A4767) at dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human colon using MUC2 Rabbit mAb (A4767) at dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.