Datasheet for ABIN7268689

anti-MUC2 antibody

5 Images

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Overview

Quantity:	100 µL
Target:	MUC2
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This MUC2 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Purpose:	MUC2 Rabbit mAb
Immunogen:	A synthesized peptide derived from human MUC2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	MUC2
Alternative Name:	MUC2 (MUC2 Products)
Background:	This gene encodes a member of the mucin protein family. Mucins are high molecular weight

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Target Details

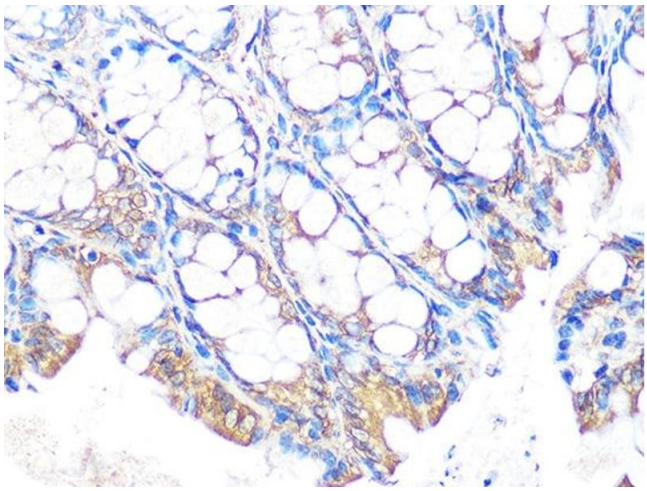
	glycoproteins produced by many epithelial tissues. The protein encoded by this gene is secreted and forms an insoluble mucous barrier that protects the gut lumen. The protein polymerizes into a gel of which 80 % is composed of oligosaccharide side chains by weight. The protein features a central domain 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. [provided by RefSeq, Oct 2016],MLP, MUC-2, SMUC,Cancer,Cell Biology & Developmental Biology,Cytoskeleton,Extracellular Matrix,Immunology & Inflammation,Invasion and Metastasis,Signal Transduction,Tumor immunology,Tumor immunology_Tumor-associated antigens,MUC2
Molecular Weight:	540kDa
Gene ID:	4583
UniProt:	Q02817

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Restrictions:	For Research Use only

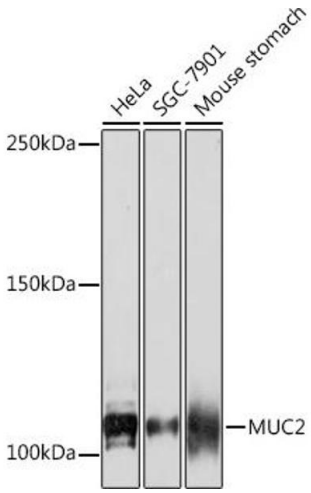
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



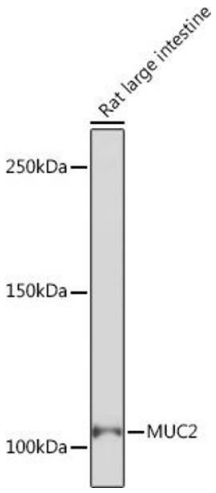
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse colon using MUC2 Rabbit mAb (ABIN7268689) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using MUC2 Rabbit mAb (ABIN7268689) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 90s.



Western Blotting

Image 3. Western blot analysis of extracts of Rat large intestine, using MUC2 Rabbit mAb (ABIN7268689) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Enhanced Kit (RM00021).Exposure time: 3 min.

Please check the product details page for more images. Overall 5 images are available for ABIN7268689.

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