

Datasheet for ABIN7268690
anti-MUC2 antibody (AA 4850-4950)

7 Images

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Overview

Quantity:	100 µL
Target:	MUC2
Binding Specificity:	AA 4850-4950
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MUC2 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	MUC2 Rabbit pAb
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 4850-4950 of human MUC2 (NP_002448.4).
Sequence:	LCAQQNICLD WRNHTHGACL VECPSHREYQ ACGPAEEPTC KSSSSQQNNT VLVEGCFCPE GTMNYAPGFD VCVKTCGCVG PDNVPREFGE HFEFDCKNCV C
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

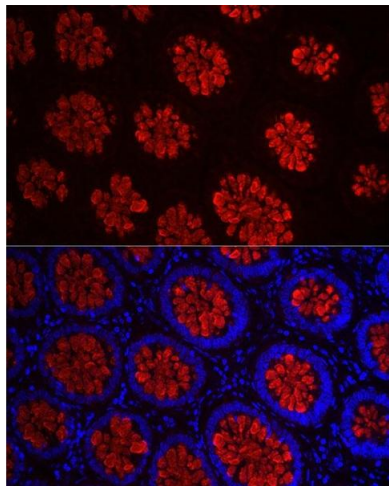
Target:	MUC2
Alternative Name:	MUC2 (MUC2 Products)
Background:	<p>This gene encodes a member of the mucin protein family. Mucins are high molecular weight glycoproteins produced by many epithelial tissues. The protein encoded by this gene is secreted and forms an insoluble mucous barrier that protects 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. Alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known.,MUC2,MLP,MUC-2,SMUC,mucin-2,Cancer,Tumor immunology,Tumor-associated antigens,Invasion and Metastasis,Signal Transduction,Cell Biology & Developmental Biology,Cytoskeleton,Extracellular Matrix,Immunology & Inflammation,MUC2</p>
Molecular Weight:	540kDa
Gene ID:	4583
UniProt:	Q02817

Application Details

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

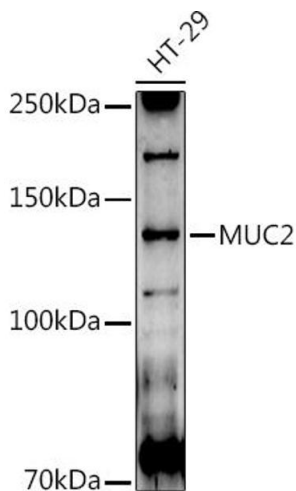
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,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.



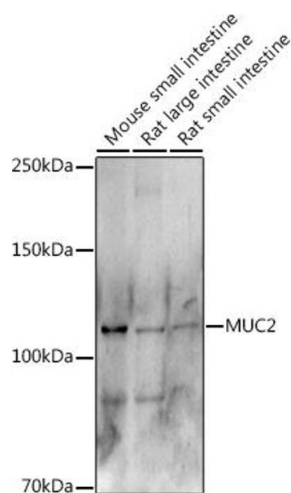
Immunofluorescence

Image 1. Immunofluorescence analysis of human colon carcinoma cells using MUC2 Rabbit pAb (ABIN7268690) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of HT-29 cells, using MUC2 antibody (ABIN7268690) 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: 180s.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using MUC2 antibody (ABIN7268690) at 1:500 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: 180s.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN7268690.