

Datasheet for ABIN7268692

**anti-MUC4 antibody**

3 Images

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## Overview

Quantity:	100 µL
Target:	MUC4
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This MUC4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Purpose:	MUC4 Rabbit mAb
Immunogen:	A synthesized peptide derived from human MUC4
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

## Target Details

Target:	MUC4
Alternative Name:	MUC4 ( <a href="#">MUC4 Products</a> )
Background:	The major constituents of mucus, the viscous secretion that covers epithelial surfaces such as

## Target Details

those in the trachea, colon, and cervix, are highly glycosylated proteins called mucins. These glycoproteins play important roles in the protection of the epithelial cells and have been implicated in epithelial renewal and differentiation. This gene encodes an integral membrane glycoprotein found on the cell surface, although secreted isoforms may exist. At least two dozen transcript variants of this gene have been found, although for many of them the full-length transcript has not been determined or they are found only in tumor tissues. This gene contains a region in the coding sequence which has a variable number (>100) of 48 nt tandem repeats. [provided by RefSeq, Jul 2008],ASGP, HSA276359, MUC-4,Cancer,Cell Biology & Developmental Biology,Cytoskeleton,Extracellular Matrix,Immunology & Inflammation,Invasion and Metastasis,Signal Transduction,Tumor biomarkers,Tumor immunology,Tumor immunology\_Tumor-associated antigens,MUC4

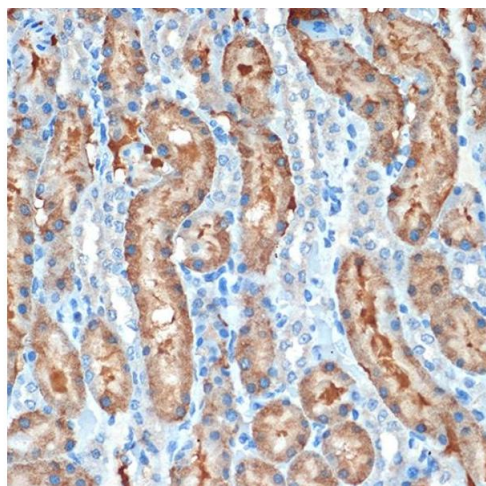
Molecular Weight:	120kDa
Gene ID:	4585
UniProt:	<a href="#">Q99102</a>
Pathways:	<a href="#">Regulation of Leukocyte Mediated Immunity</a>

## Application Details

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

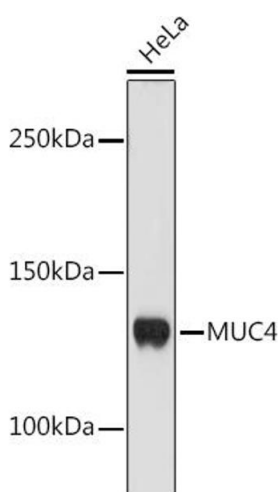
## Handling

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.



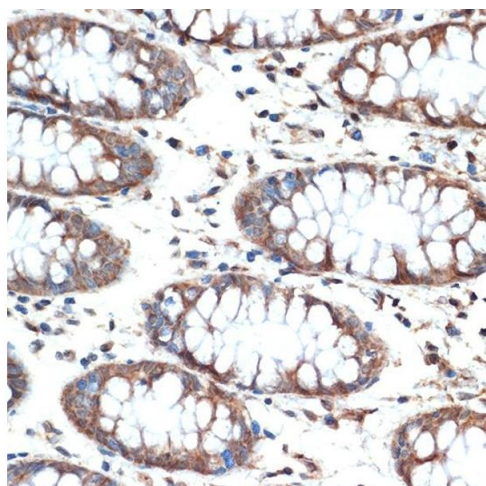
#### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded rat kidney using MUC4 Rabbit mAb (ABIN7268692) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



#### Western Blotting

**Image 2.** Western blot analysis of extracts of HeLa cells, using MUC4 antibody (ABIN7268692) 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: 10s.



#### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human colon using MUC4 Rabbit mAb (ABIN7268692) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.