

Datasheet for ABIN7268693

anti-MUC4 antibody[Go to Product page](#)**1** Image

Overview

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

Product Details

Purpose:	MUC4 Rabbit pAb
Immunogen:	A synthetic peptide of human MUC4.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	MUC4
Alternative Name:	MUC4 (MUC4 Products)
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.,MUC4;ASGP;HSA276359;MUC-4;mucin-4,Cancer,Tumor immunology,Tumor-associated antigens,Tumor biomarkers,Invasion and Metastasis,Signal Transduction,Cell Biology & Developmental Biology,Cytoskeleton,Extracellular Matrix,Immunology & Inflammation,MUC4

Molecular Weight: 112-130kDa/144kDa/194-231kDa

Gene ID: 4585

UniProt: [Q99102](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#)

Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

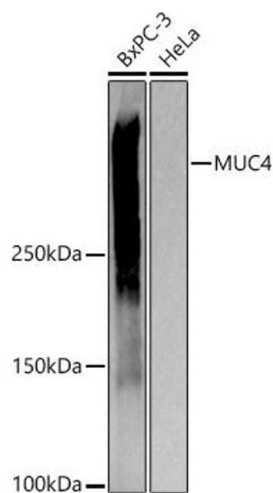
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

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.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using MUC4 antibody (ABIN7268693) 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: 180s.