

Datasheet for ABIN6991894  
**anti-MUC1 antibody (C-Term)**



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## Overview

|                      |                                     |
|----------------------|-------------------------------------|
| Quantity:            | 0.1 mg                              |
| Target:              | MUC1                                |
| Binding Specificity: | C-Term                              |
| Reactivity:          | Human, Mouse                        |
| Host:                | Rabbit                              |
| Clonality:           | Polyclonal                          |
| Conjugate:           | This MUC1 antibody is un-conjugated |
| Application:         | Western Blotting (WB), ELISA        |

## Product Details

|               |                                                                                                                                                                                                              |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | MUC1 antibody was raised against a 17 amino acid peptide near the carboxy terminus of human MUC1. The immunogen is located within the last 50 amino acids of MUC1 .                                          |
| Isotype:      | IgG                                                                                                                                                                                                          |
| Specificity:  | MUC1 antibody is human and mouse reactive. Multiple isoforms of MUC1 are known to exist. MUC1 often migrates at a higher molecular weight in SDS-PAGE due to high levels of post-translational modification. |
| Purification: | MUC1 Antibody is affinity chromatography purified via peptide column.                                                                                                                                        |

## Target Details

|                   |                                        |
|-------------------|----------------------------------------|
| Target:           | MUC1                                   |
| Alternative Name: | MUC1 ( <a href="#">MUC1 Products</a> ) |

## Target Details

**Background:** Mucin 1 (MUC1) is membrane-bound protein member of the mucin family. Mucins are O-glycosylated proteins that play an essential role in forming protective mucous barriers on epithelial surfaces and also play a role in intracellular signaling (1). MUC1 is expressed on the apical surface of epithelial cells that line the mucosal surfaces of many different tissues including lung, breast stomach and pancreas. MUC1 is proteolytically cleaved into alpha and beta subunits that form a heterodimeric complex. The N-terminal alpha subunit functions in cell-adhesion and the C-terminal beta subunit is involved in cell signaling. Overexpression, aberrant intracellular localization, and changes in glycosylation of this protein have been associated with carcinomas (1).

**Molecular Weight:** Predicted: 53 (+ multiple others) kDa

Observed: 42, 120 kDa

**Gene ID:** 4582

**NCBI Accession:** [NP\\_001191215](#)

**UniProt:** [P15941](#)

**Pathways:** [Negative Regulation of intrinsic apoptotic Signaling](#)

## Application Details

**Application Notes:** MUC1 antibody can be used for detection of MUC1 by Western blot at 1 - 2 µg/mL.

Antibody validated: Western Blot in human samples. All other applications and species not yet tested.

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 1 mg/mL

**Buffer:** MUC1 Antibody is supplied in PBS containing 0.02 % sodium azide.

**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

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|                  |                                                                                           |
|------------------|-------------------------------------------------------------------------------------------|
| Storage:         | -20 °C,4 °C                                                                               |
| Storage Comment: | MUC1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. |