

Datasheet for ABIN6940097

Recombinant anti-MUC1 antibody



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3 Images

Overview

Quantity:	100 µg
Target:	MUC1
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This MUC1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human MUC1 protein
Clone:	RMUC1-960
Isotype:	IgG2b kappa
Specificity:	This MAb reacts with MUC1, a large transmembrane glycoprotein expressed on the ductal surface of normal glandular epithelia. The dominant epitope of this MAb involves both amino acids as well as sugar moieties. Neuraminidase treatment destroys the antigen. It is a very good tracer agent in CA15.3 assays. The extracellular domain of MUC1 largely consists of a highly conserved, O-glycosylated 20 amino acids tandem repeat which can occur 30-100 times per molecule depending on the length of the allele involved. In the vast majority of human carcinomas this protein is up-regulated and poorly glycosylated and appears on the cell surface in a non-polarized fashion.

Product Details

Purification: Purified by Protein A/G

Target Details

Target: MUC1

Alternative Name: MUC1 ([MUC1 Products](#))

Molecular Weight: 265-400kDa

Gene ID: 4582

UniProt: [P15941](#)

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

Application Details

Application Notes: Positive Control: MCF-7 or MDA-231 cells. Breast, colon, ovarian, endometrial carcinoma.
Known Application: Immunohistochemistry (Formalin-fixed. Not suitable for frozen tissues.)
(0.5-1 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

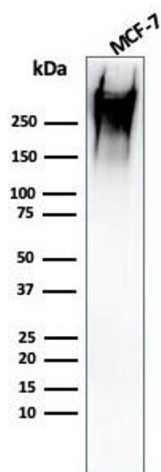
Preservative: Sodium azide

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

Storage: 4 °C,-80 °C

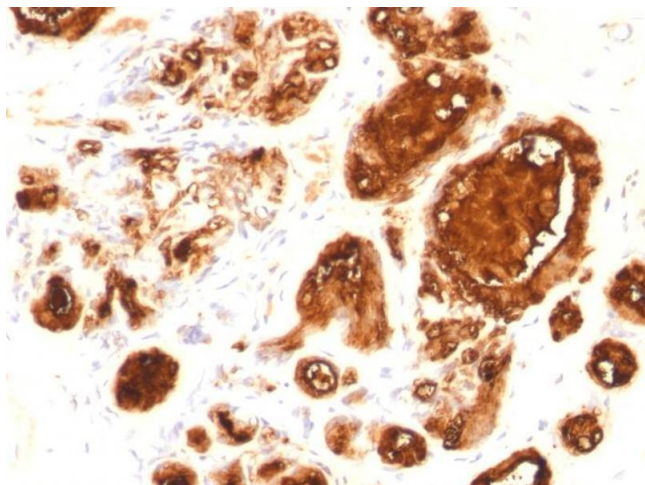
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



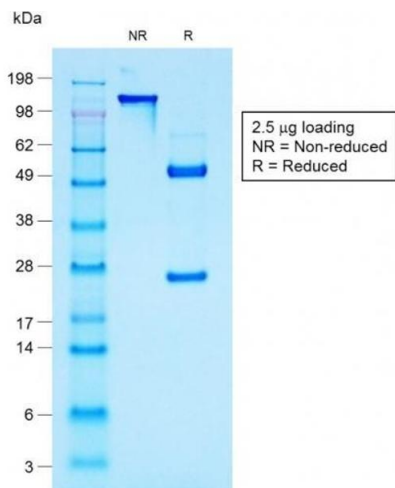
Western Blotting

Image 1. Western Blot Analysis of human MCF-7 cell lysate using MUC1 Mouse Recombinant Monoclonal Antibody (rMUC1/960).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with MUC1 Mouse Recombinant Monoclonal Antibody (rMUC1/960).



SDS-PAGE

Image 3. SDS-PAGE Analysis Purified MUC1 Mouse Recombinant Monoclonal Antibody (rMUC1/960). Confirmation of Purity and Integrity of Antibody.