

Datasheet for ABIN6940118

anti-MUC2 antibody**4** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	MUC2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MUC2 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant fragment covering tandem repeats of human MUC2 protein (exact sequence is proprietary)
Clone:	MLP-842
Isotype:	IgG1 kappa
Specificity:	Recognizes a single glycoprotein of 520 kDa, identified as mucin 2 (MUC2). This MAb shows no cross-reaction with human milk fat globule membranes, MUC1, or MUC3. Mucins are high molecular weight glycoproteins, which constitute the major component of the mucus layer that protects the gastric epithelium. MUC2 is specifically expressed in goblet cells of the small intestine in about 65 % of colonic carcinomas and about 40 % of gastric carcinomas. MUC2 is rarely expressed outside of the GI tract with the exceptions of mucinous carcinoma of breast and clear cell-type carcinomas of the ovary.
No Cross-Reactivity:	Rat (Rattus)

Product Details

Purification: Purified by Protein A/G

Target Details

Target: MUC2

Alternative Name: MUC2 ([MUC2 Products](#))

Molecular Weight: 520kDa

Gene ID: 4583

UniProt: [Q02817](#)

Application Details

Application Notes: Positive Control: LS174T cells. Human small intestine (IHC).
Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris-HCl buffer, pH 10.0, 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.

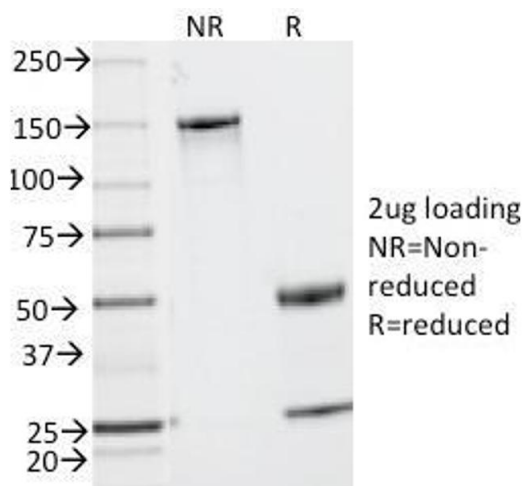
Preservative: Sodium azide

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

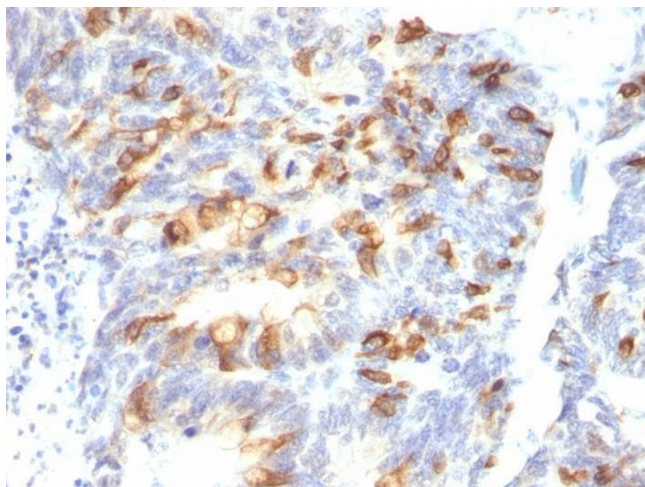
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



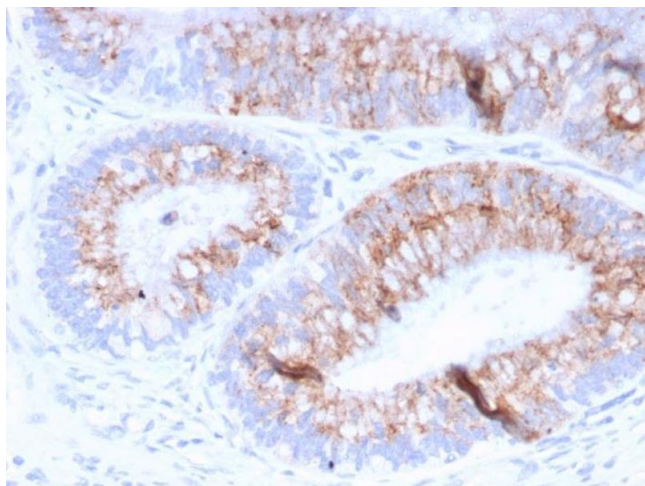
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified MUC2 Mouse Monoclonal Antibody (MLP/842). Confirmation of Purity and Integrity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with MUC2 Mouse Monoclonal Antibody (MLP/842).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with MUC2 Mouse Monoclonal Antibody (MLP/842).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6940118.