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Datasheet for ABIN6940120

## Recombinant anti-MUC2 antibody

### 2 Images

#### Overview

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

#### Product Details

Immunogen:	Purified human MUC2 protein
Clone:	MLP-2970R
Isotype:	IgG
Specificity:	Recognizes a single glycoprotein of 520 kDa, identified as mucin 2 (MUC2). This MAbs shows no cross-reaction with human milk fat globule membranes, MUC1, or MUC3. Its epitope has been defined as GTQTP (GlyThrGlnThrPro). 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.

## Product Details

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Purification: Purified by Protein A/G

## Target Details

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Target: MUC2

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

Molecular Weight: 520kDa

Gene ID: 4583

UniProt: [Q02817](#)

## Application Details

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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

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Concentration: 200 µg/mL

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

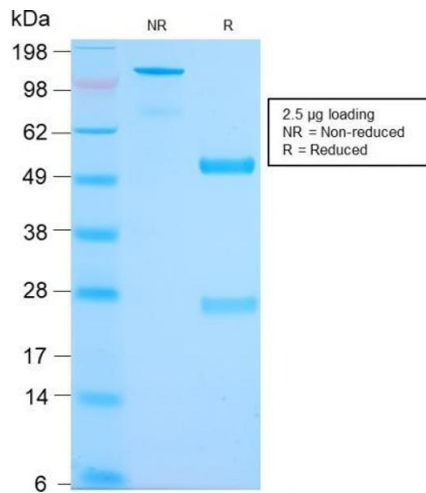
Preservative: Sodium azide

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

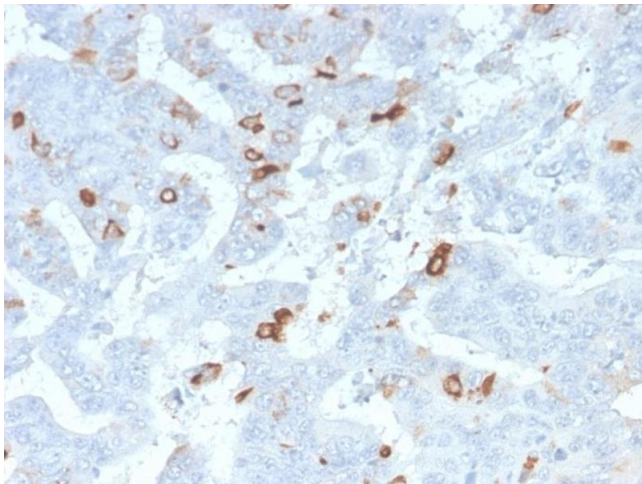
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



### SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified MUC2 Rabbit Recombinant Monoclonal Antibody (MLP/2970R). Confirmation of Purity and Integrity of Antibody.



### Immunohistochemistry

**Image 2.** Formalin-fixed, paraffin-embedded human Colon stained with MUC2 Rabbit Recombinant Monoclonal Antibody (MLP/2970R).