

Datasheet for ABIN6940119

Recombinant anti-MUC2 antibody**3** Images[Go to Product page](#)

Overview

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

Product Details

| | |
|--------------|---|
| Immunogen: | A synthetic peptide of 29 amino acids, KYPTTTPISTTTMTPTPTGTQTPTTT from MUC2 protein, coupled to KLH. |
| Clone: | RMLP-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. 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 |

Product Details

the ovary.

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) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues is enhanced by 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.

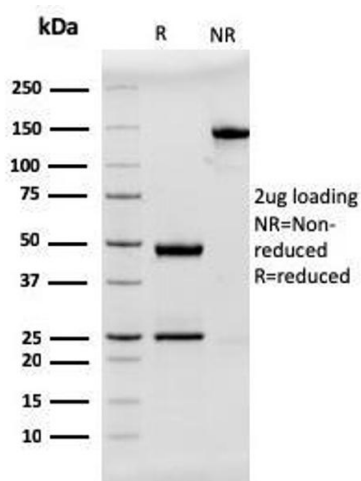
Preservative: Sodium azide

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

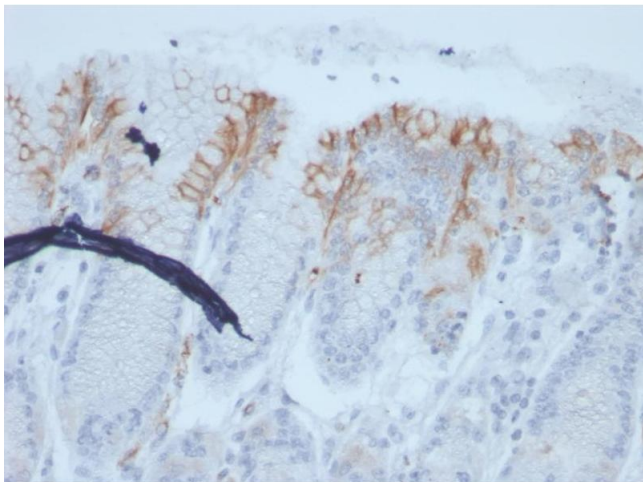
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



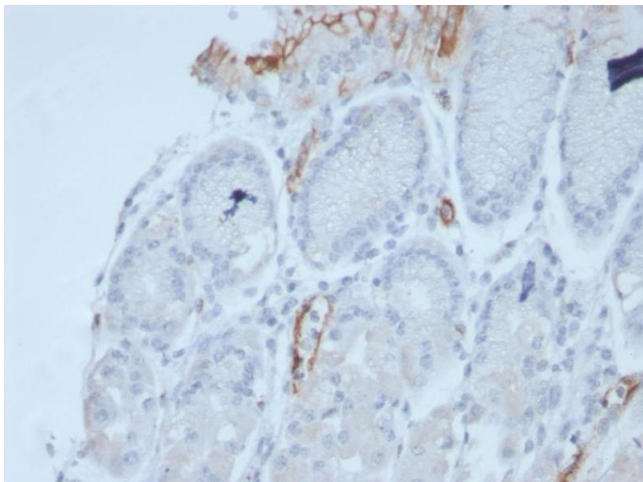
SDS-PAGE

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



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human stomach stained with MUC2 Recombinant Mouse Monoclonal Antibody (rMLP/842).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human stomach stained with MUC2 Recombinant Mouse Monoclonal Antibody (rMLP/842).