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Datasheet for ABIN6940127

Recombinant anti-MUC5AC antibody

2 Images

Overview

Quantity:	100 µg
Target:	MUC5AC
Reactivity:	Human, Mouse, Rat, Monkey, Cat, Rabbit, Chicken, Pig, Hedgehog
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This MUC5AC antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	M1 mucin preparation from the fluid of an ovarian mucinous cyst belonging to an O Le(a-b) patient
Clone:	RMUC5AC-3779
Isotype:	IgG1 kappa
Specificity:	This MAb recognizes the peptide core of gastric mucin M1 (recently identified as Mucin 5AC). Its epitope is located in the C-terminal cysteine rich part of the peptide core of MUC5AC. Its epitope is destroyed by beta-mercaptoethanol but not by periodate treatment. This mucin is present in primary ovarian mucinous cancer but usually absent in colorectal adenocarcinoma, thus showing an expression pattern opposite to MUC2. Together with a panel of antibodies, Anti-MUC5AC may be useful for differential identification of primary mucinous ovarian tumors from colon adenocarcinoma metastatic to the ovary. MUC5AC antibodies may also be useful

Product Details

for identification of intestinal metaplasia as well as in the identification of pancreatic carcinoma and pre-cancerous changes vs. normal pancreas.

No Cross-Reactivity: Cow (Bovine)

Purification: Purified by Protein A/G

Target Details

Target: MUC5AC

Alternative Name: MUC5AC ([MUC5AC Products](#))

Molecular Weight: >1,000kDa

Gene ID: 4586

UniProt: [P98088](#)

Application Details

Application Notes: Positive Control: Human colon or stomach (IHC).
Known Application: Immunohistochemistry (Formalin-fixed) (1-2 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.

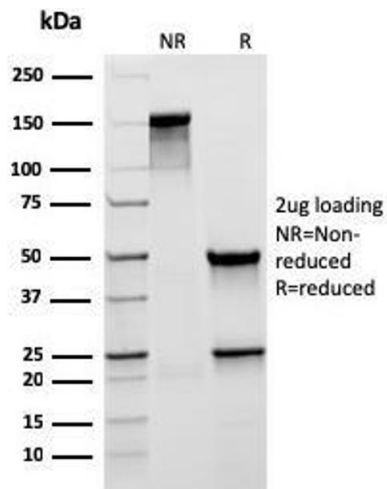
Preservative: Sodium azide

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

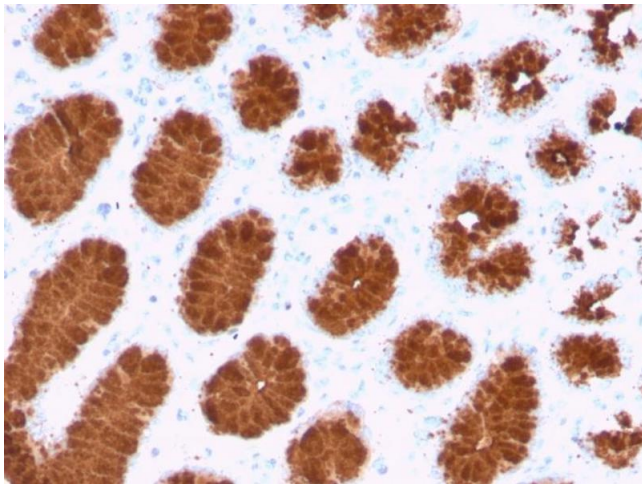
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified MUC5AC Recombinant Mouse Monoclonal Antibody (rMUC5AC/3779). Confirmation of Integrity and Purity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human colon stained with MUC5AC Recombinant Mouse Monoclonal Antibody (rMUC5AC/3779).