

## Anti-Mucin 5AC Antibody [45M1] - BSA and Azide free (A252611)

### Specifications:

Name:	Anti-Mucin 5AC Antibody [45M1] - BSA and Azide free
Description:	Mouse monoclonal [45M1] antibody to Mucin 5AC.
Specificity:	This antibody 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 for identification of intestinal metaplasia as well as in the identification of pancreatic carcinoma and pre-cancerous changes vs. normal pancreas.
Applications:	IHC-P
Recommended Dilutions:	IHC-P: 1-2 µg/ml
Reactivity:	Human, Monkey, Rabbit, Feline, Mouse, Rat, Porcine, Hedgehog, Chicken
Cross Reactivity:	This antibody does not cross react with Bovine.
Immunogen:	M1 mucin preparation from the fluid of an ovarian mucinous cyst belonging to an O Le(a-b) patient.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	45M1
Isotype:	IgG1
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	1 mg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline; without Sodium Azide and carrier free.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

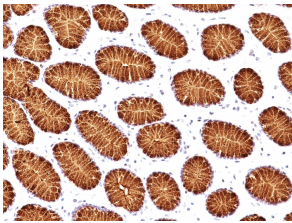
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## Specifications continued:

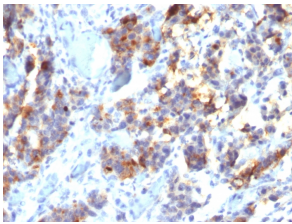
**General Notes:** This monoclonal antibody is also available in a different formulation with BSA and Sodium Azide - Anti-Mucin 5AC Antibody [45M1] (A249431).

**Disclaimer:** This product is for research use only. It is not intended for diagnostic or therapeutic use.

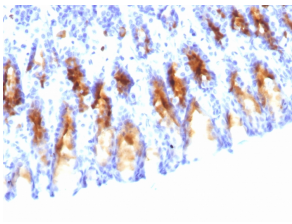
## Images:



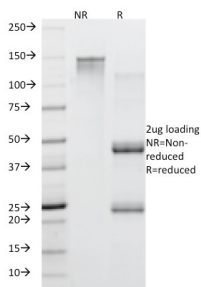
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human stomach using Anti-Mucin 5AC Antibody [45M1].



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human gastric carcinoma using Anti-Mucin 5AC Antibody [45M1].



Immunohistochemical analysis of formalin-fixed, paraffin-embedded rat stomach using Anti-Mucin 5AC Antibody [45M1].



SDS-PAGE analysis of Anti-Mucin 5AC Antibody [45M1] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.