

# Product Datasheet

## **MUC5AC Antibody (45M1) - IHC-Prediluted NBP2-44450**

Unit Size: 7 ml

Store at 4C.

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**NBP2-44450**

MUC5AC Antibody (45M1) - IHC-Prediluted

**Product Information**

<b>Unit Size</b>	7 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	45M1
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	10 mM PBS with 0.05% BSA

**Product Description**

<b>Description</b>	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining.
<b>Host</b>	Mouse
<b>Gene ID</b>	4586
<b>Gene Symbol</b>	MUC5AC
<b>Species</b>	Human, Mouse, Rat, Porcine, Chicken, Feline, Mammal, Monkey, Rabbit, Bovine (Negative)
<b>Reactivity Notes</b>	Hedgehog. Does not react with Bovine.   Use in Mouse reported in scientific literature (PMID:34260916)
<b>Specificity/Sensitivity</b>	This monoclonal 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.
<b>Immunogen</b>	M1 mucin preparation from the fluid of an ovarian mucinous cyst belonging to an O Le(a-b) patient

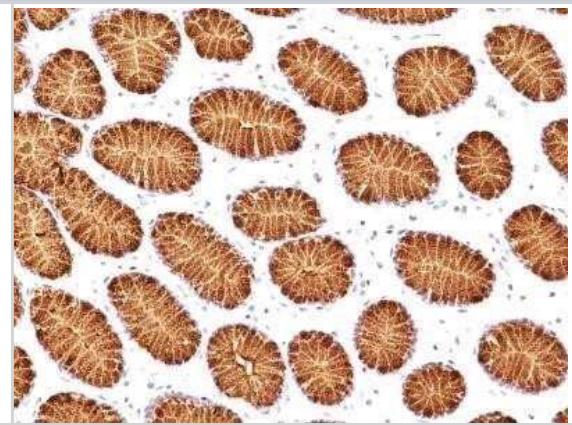
**Product Application Details**

<b>Applications</b>	Dot Blot, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry, Immunohistochemistry-Paraffin 1 - 2 ug/ml, Immunohistochemistry-Frozen, Dot Blot
<b>Application Notes</b>	Use in Dot Blot reported in scientific literature (PMID: 31374872). Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

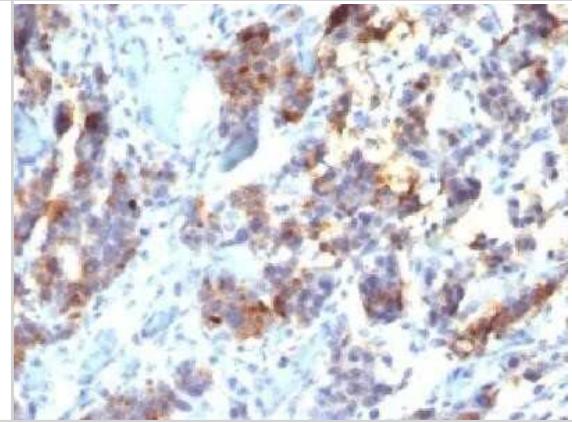


## Images

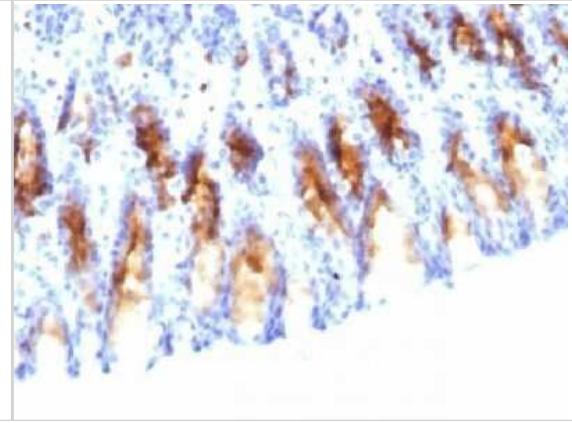
Immunohistochemistry-Paraffin: MUC5AC Antibody (45M1) - IHC-Prediluted [NBP2-44450] - Analysis using the Azide and BSA Free version of NBP2-15196. Detection Human stomach.



Immunohistochemistry-Paraffin: MUC5AC Antibody (45M1) - IHC-Prediluted [NBP2-44450] - Formalin-fixed, paraffin-embedded human Gastric Carcinoma stained with MUC5AC Monoclonal Antibody (45M1).



Immunohistochemistry-Paraffin: MUC5AC Antibody (45M1) - IHC-Prediluted [NBP2-44450] - Formalin-fixed, paraffin-embedded Rat stomach stained with MUC5AC Monoclonal Antibody (45M1).





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## Products Related to NBP2-44450

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00004586-Q01-10ug	Recombinant Human MUC5AC GST (N-Term) Protein

## Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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