

# Product Datasheet

## MUC1 Antibody (MUC1/845)

### NBP2-44655-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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**NBP2-44655-0.1mg**

MUC1 Antibody (MUC1/845)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	MUC1/845
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA

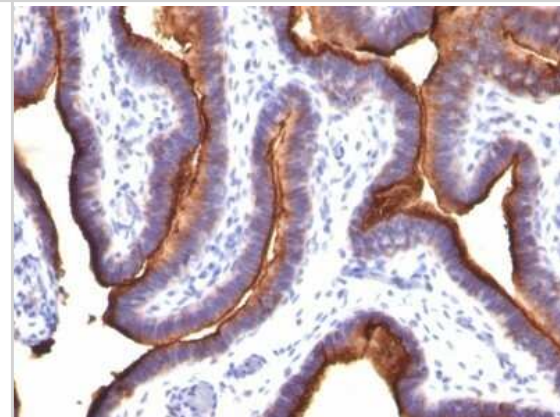
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47881)  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	4582
Gene Symbol	MUC1
Species	Human
Marker	Epithelial Marker
Specificity/Sensitivity	In Western blotting, it recognizes proteins in MW range of 265-400kDa, identified as different glycoforms of EMA. The alpha subunit has cell adhesive properties. It can act both as an adhesion and an anti-adhesion protein. EMA may provide a protective layer on epithelial cells against bacterial and enzyme attack. The beta subunit contains a C-terminal domain, which is involved in cell signaling, through phosphorylations and protein-protein interactions. In immunohistochemical assays, it superbly stains routine formalin/paraffin carcinoma tissues. Antibody to EMA is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.
Immunogen	Human milk-fat globule membranes (HMFGM) (Uniprot: P15941)

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin 1-2 ug/ml
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 min 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.

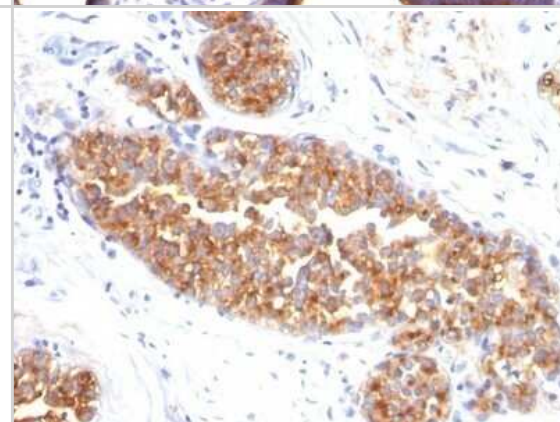


**Images**

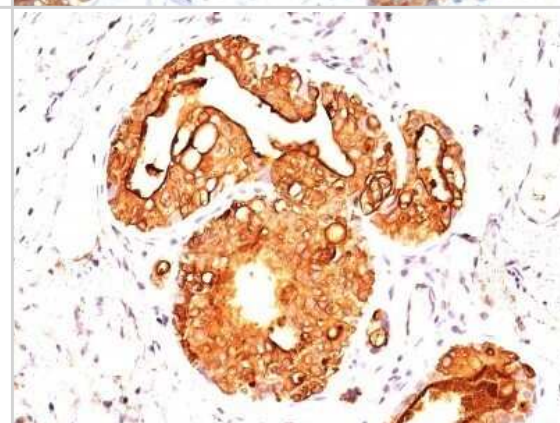
Immunohistochemistry-Paraffin: MUC1 Antibody (MUC1/845) [NBP2-44655] - Human Ovarian Carcinoma stained with MUC1 / EMA Monoclonal Antibody (MUC1/845).



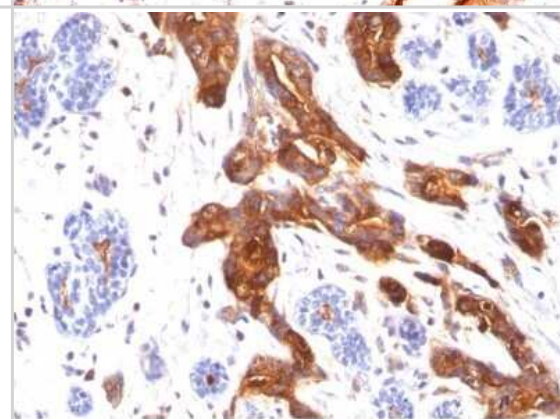
Immunohistochemistry-Paraffin: MUC1 Antibody (MUC1/845) [NBP2-44655] - Human Breast Carcinoma stained with MUC1 / EMA Monoclonal Antibody (MUC1/845).



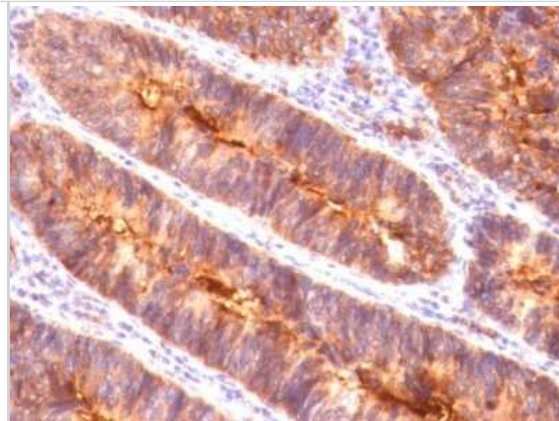
Immunohistochemistry-Paraffin: MUC1 Antibody (MUC1/845) [NBP2-44655] - Human Breast Carcinoma stained with MUC1 / EMA Monoclonal Antibody (MUC1/845).



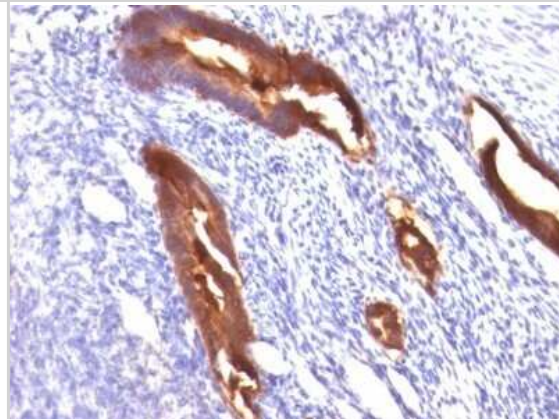
Immunohistochemistry-Paraffin: MUC1 Antibody (MUC1/845) [NBP2-44655] - Human Breast Carcinoma stained with MUC1 / EMA Monoclonal Antibody (MUC1/845).



Immunohistochemistry-Paraffin: MUC1 Antibody (MUC1/845) [NBP2-44655] - Human Colon Carcinoma stained with MUC1 / EMA Monoclonal Antibody (MUC1/845).



Immunohistochemistry-Paraffin: MUC1 Antibody (MUC1/845) [NBP2-44655] - Human Endometrial Carcinoma stained with MUC1 / EMA Monoclonal Antibody (MUC1/845).





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### **Products Related to NBP2-44655-0.1mg**

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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)
H00004582-Q01-10ug	Recombinant Human MUC1 GST (N-Term) Protein

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### **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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