

Product Datasheet

MUC1 Antibody (SPM132)

NBP2-32877-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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Publications: 1

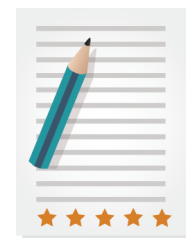
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NBP2-32877-0.1mg

MUC1 Antibody (SPM132)

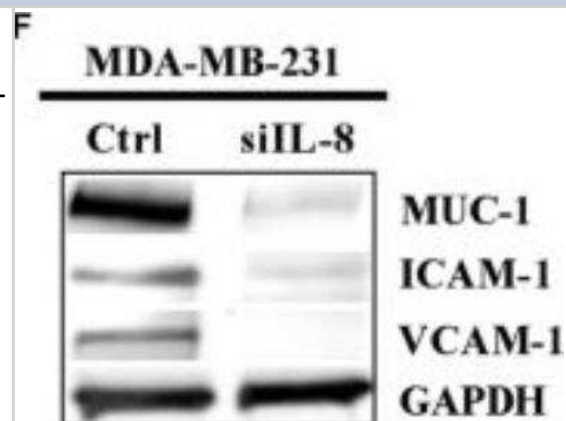
Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	SPM132
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA

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. (NBP2-34737) 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. This monoclonal antibody reacts with the DTRP epitope in the tandem repeats. 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 (Uniprot: P15941)

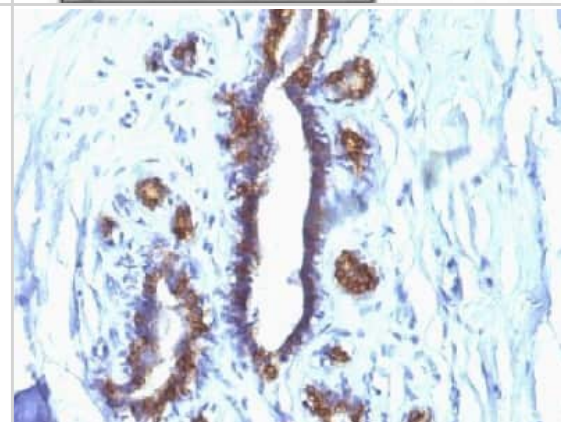
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.5-1ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml
Application Notes	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

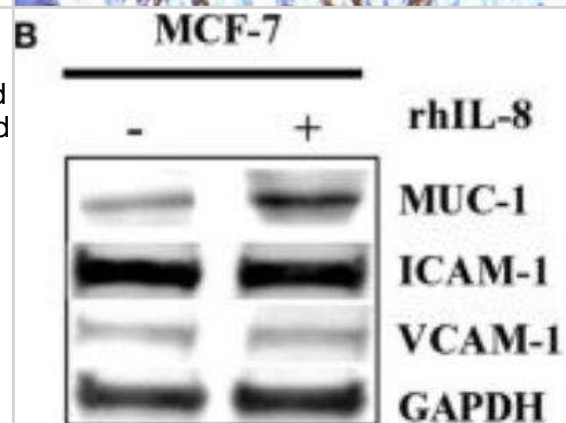
Western Blot: MUC1 Antibody (SPM132) [NBP2-32877] - Analysis of MDA-MB-231 cells transfected with/without an IL-8 silencer RNA (siIL-8) to evaluate the expression of MUC1 (NBP2-32877), VCAM-1, and ICAM-1. GAPDH load control was reused for illustrative purposes. Image collected and cropped by CiteAb from the following publication ([//pubmed.ncbi.nlm.nih.gov/30105032/](https://pubmed.ncbi.nlm.nih.gov/30105032/)) licensed under a CC-BY license.



Immunohistochemistry-Paraffin: MUC1 Antibody (SPM132) [NBP2-32877] - Formalin-fixed, paraffin-embedded human Breast cancer stained with EMA Monoclonal Antibody (SPM132)



Western Blot: MUC1 Antibody (SPM132) [NBP2-32877] - Analysis of MCF-7 cells treated +/- rhIL-8 at 10 ng/ml during 5 days to evaluate the expression of MUC1 (NBP2-32877), VCAM-1, and ICAM-1. GAPDH load control was reused for illustrative purposes. Image collected and cropped by CiteAb from the following publication ([//pubmed.ncbi.nlm.nih.gov/30105032/](https://pubmed.ncbi.nlm.nih.gov/30105032/)) licensed under a CC-BY license.



Publications

Vazquez Rodriguez G, Abrahamsson A, Jensen LDE et al. Adipocytes Promote Early Steps of Breast Cancer Cell Dissemination via Interleukin-8 Front. Immunol 2018-07-30 [PMID: 30105032] (WB, Human)

Details:

This citation used the Azide and BSA Free version of this antibody.



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Products Related to NBP2-32877-0.1mg

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

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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