

Product Datasheet

MUC1 Antibody (139H2) - IHC-Prediluted NBP2-48378

Unit Size: 7 ml

Store at 4C.

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NBP2-48378**MUC1 Antibody (139H2) - IHC-Prediluted**

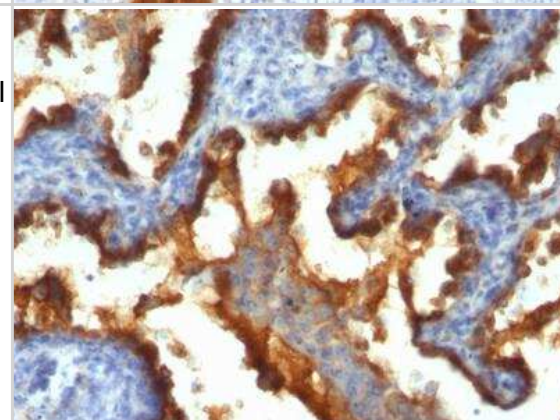
| Product Information | |
|------------------------------------|--|
| Unit Size | 7 ml |
| Concentration | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at 4C. |
| Clonality | Monoclonal |
| Clone | 139H2 |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG1 Kappa |
| Purity | Protein A or G purified |
| Buffer | 10 mM PBS with 0.05% BSA |
| Product Description | |
| Description | The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. |
| Host | Mouse |
| Gene ID | 4582 |
| Gene Symbol | MUC1 |
| Species | Human, Mouse |
| Marker | Epithelial Marker |
| Specificity/Sensitivity | This monoclonal antibody reacts with MUC1. The dominant epitope of this monoclonal antibody has not yet been determined. MUC1 is a large cell surface mucin glycoprotein expressed by most glandular and ductal epithelial cells and some hematopoietic cell lineages. It is expressed on most secretory epithelium, including mammary gland and some hematopoietic cells. It is expressed abundantly in lactating mammary glands and over expressed abundantly in 90% breast carcinomas and metastases. Transgenic MUC1 has been shown to associate with all four c-erbB receptors and localize with c-erbB1 (EGFR) in lactating glands. The MUC1 gene contains seven exons and produces several different alternatively spliced variants. The major expressed form of MUC1 uses all seven exons and is a type 1 transmembrane protein with a large extracellular tandem repeat domain. The tandem repeat domain is highly O glycosylated and alterations in glycosylation have been shown in epithelial cancer cells. 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 |
| Application Notes | Immunohistochemistry (Formalin-fixed): 0.5-1ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM 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. |

Images

Immunohistochemistry-Paraffin: MUC1 Antibody (139H2) - IHC-Prediluted [NBP2-48378] - Formalin-fixed, paraffin-embedded human Endometrial Carcinoma stained with MUC-1 / CA15-3 / EMA Mouse Monoclonal Antibody (139H2).



Immunohistochemistry-Paraffin: MUC1 Antibody (139H2) - IHC-Prediluted [NBP2-48378] - Formalin-fixed, paraffin-embedded human Lung Carcinoma stained with MUC-1 / CA15-3 / EMA Mouse Monoclonal Antibody (139H2).



Immunohistochemistry-Paraffin: MUC1 Antibody (139H2) - IHC-Prediluted [NBP2-48378] - Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with MUC-1 / CA15-3 / EMA Mouse Monoclonal Antibody (139H2).





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Products Related to NBP2-48378

| | |
|--------------------|---|
| 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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