Datasheet for ABIN3025281

anti-MUC1 antibody

5 Images

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Overview

Quantity:	100 µg
Target:	MUC1
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MUC1 antibody is un-conjugated
Application:	Immunofluorescence (IF), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Human milk fat globule membranes were used as the immunogen for this MUC-1 antibody.
Clone:	MUC1-955
Isotype:	IgG1 kappa
Purification:	Protein G affinity chromatography
Purity:	Protein G affinity chromatography

Target Details

Target:	MUC1
Alternative Name:	MUC-1 (MUC1 Products)
Background:	Mucin-1 is a large cell surface mucin glycoprotein expressed by most glandular and ductal

Target Details

	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 in >90 % breast carcinomas and metastases. The transgenic protein has been shown to associate with all four c-erbB receptors and localize with c-erbB1 (EGFR) in lactating glands. The gene contains seven exons and produces several different alternatively spliced variants. The major expressed form of the protein 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. Mucin-1 antibody is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver. The specific epitope of this Mucin-1 antibody has not yet been determined.
Gene ID:	4582
Pathways:	Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the MUC-1 antibody to be titered up or down for optimal performance. 1. FFPE staining REQUIRES boiling sections in 10 mM citrate buffer, pH 6, for 10-20 min followed by cooling at RT for 10-20 min. 2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.\. ELISA: order BSA free format,FACS: 0.5-1 µg/million cells,Immunofluorescence: 1-2 µg/mL,IHC (FFPE): 0.5-1 µg/mL for 30 minutes at RT (1),Prediluted format : incubate for 30 min at RT (2)
Restrictions:	For Research Use only

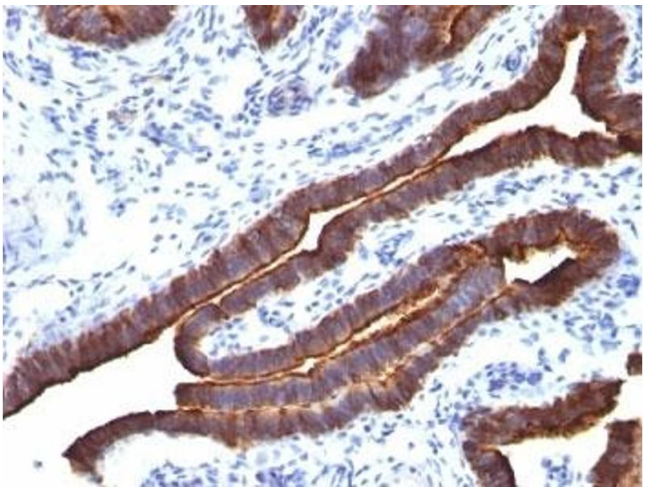
Handling

Concentration:	1 mg/mL
Buffer:	1 mg/mL in 1X PBS, BSA free, sodium azide free
Preservative:	Azide free
Storage:	4 °C,-20 °C

Handling

Storage Comment:	Store the MUC-1 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

Images

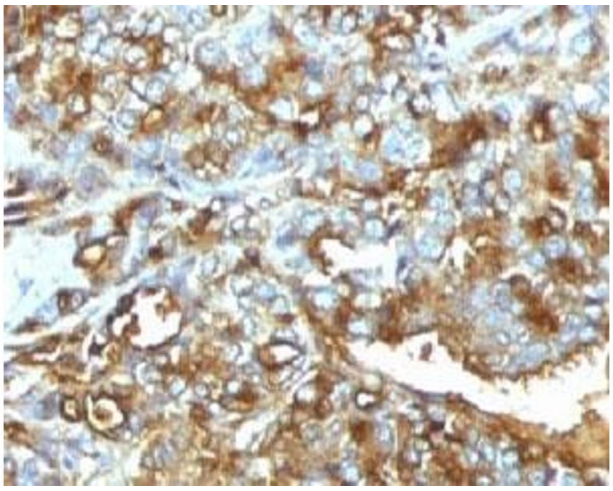


Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)

Image 1. Formalin-fixed, paraffin-embedded human ovarian carcinoma stained with MUC-1 antibody.

Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)

Image 2. Formalin-fixed, paraffin-embedded human endometrial carcinoma stained with MUC-1 antibody.



Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)

Image 3. Formalin-fixed, paraffin-embedded human breast carcinoma stained with MUC-1 antibody.

Please check the product details page for more images. Overall 5 images are available for ABIN3025281.