Datasheet for ABIN6940096

anti-MUC1 antibody

6 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:	Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA, Flow Cytometry (FACS), Western Blotting (WB), Coating (Coat), Staining Methods (StM)

Product Details

Immunogen:	Human milk-fat globule membranes (HMFGM)
Clone:	MUC1-955
Isotype:	IgG1 kappa
Specificity:	This MAb reacts with MUC1. The dominant epitope of this MAb 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

Product Details

	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.
Purification:	Purified by Protein A/G

Target Details

Target:	MUC1
Alternative Name:	MUC1 (MUC1 Products)
Molecular Weight:	265-400kDa
Gene ID:	4582
UniProt:	P15941
Pathways:	Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	Positive Control: MCF-7 or MDA-231 cells. Breast, colon, ovarian, endometrial carcinoma. Known Application: ELISA (For coating use Ab at 2-5 µg/mL, order Ab without BSA) (Very good capturing Ab), Western Blot (0.5-2 µg/mL), Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (0.25-0.5 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM 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.
Restrictions:	For Research Use only

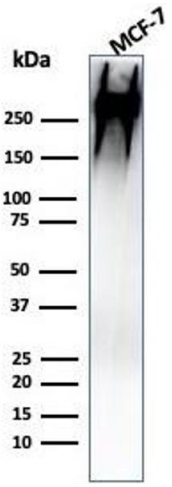
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C

Handling

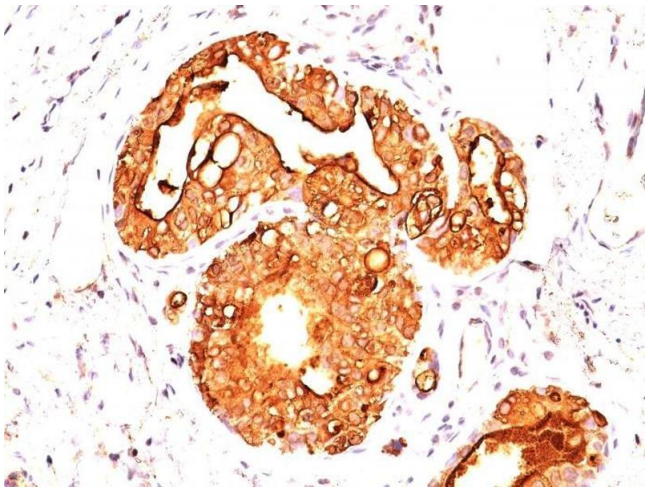
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

Images



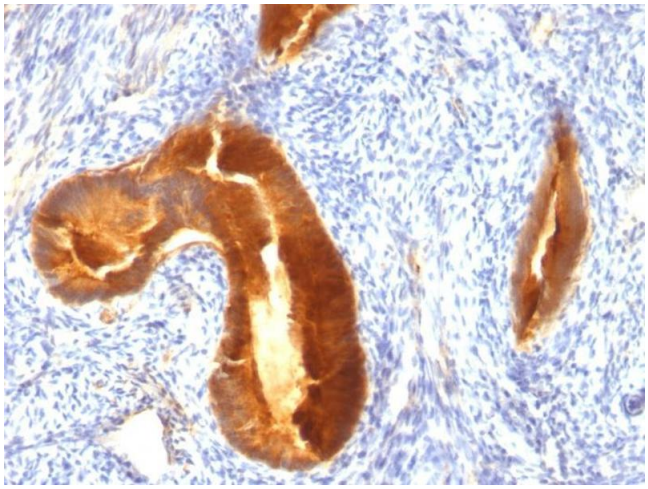
Western Blotting

Image 1. Western Blot Analysis of human MCF-7 cell lysate using MUC-1 / CA15-3 / EMA Mouse Monoclonal Antibody (MUC1/955).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with MUC-1 / CA15-3 / EMA Mouse Monoclonal Antibody (MUC1/955).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Endometrial Carcinoma stained with MUC-1 / CA15-3 / EMA Mouse Monoclonal Antibody (MUC1/955).

Please check the product details page for more images. Overall 6 images are available for ABIN6940096.