

Datasheet for ABIN1385270
anti-MUC1 antibody (AA 941-1040)



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1 Image

Overview

Quantity:	100 µL
Target:	MUC1
Binding Specificity:	AA 941-1040
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MUC1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MUC1
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	MUC1
Alternative Name:	MUC1 (MUC1 Products)
Background:	Synonyms: Breast carcinoma associated antigen DF3, Breast carcinoma associated antigen

Target Details

DF3, Breast carcinoma-associated antigen DF3, CA 15 3, CA 15-3, CA15 3, CA15 3 antigen, CA15.3, Cancer antigen 15-3, Carcinoma associated mucin, Carcinoma associated mucin, Carcinoma-associated mucin, CD 227, CD227, CD227, CD227 antigen, DF3 antigen, DF3 antigen, EMA, EMA, Episialin, Episialin, Epithelial membrane antigen, Epithelial membrane antigen, Epithelial mucin tandem repeat sequence, H23 antigen, H23 antigen, H23AG, H23AG, HGNC:7508, KL 6, KL-6, KL6, Krebs von den Lungen-6, MAM 6, MAM6, MUC 1, MUC 1, MUC-1, MUC-1/SEC, MUC-1/X, MUC1, MUC1-alpha, MUC1-beta, MUC1-CT, MUC1-NT, MUC1/ZD, MUC1_HUMAN, Mucin 1, Mucin 1 precursor, Mucin 1 transmembrane, Mucin-1 subunit beta, Mucin1, Mucin1, Peanut reactive urinary mucin, Peanut reactive urinary mucin, Peanut-reactive urinary mucin, PEM, PEMT, PEMT, Polymorphic epithelial mucin, Polymorphic epithelial mucin, PUM, PUM, Tumor associated epithelial membrane antigen, Tumor associated epithelial membrane antigen, Tumor associated epithelial mucin, Tumor associated mucin, Tumor associated mucin, Tumor-associated epithelial membrane antigen, Tumor-associated mucin.

Background: 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 overexpressed abundantly in >90 % breast carcinomas and metastases. Transgenic MUC1 has been shown to associate with all four cebB receptors and localize with 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.

Gene ID:	4582
Pathways:	Negative Regulation of intrinsic apoptotic Signaling

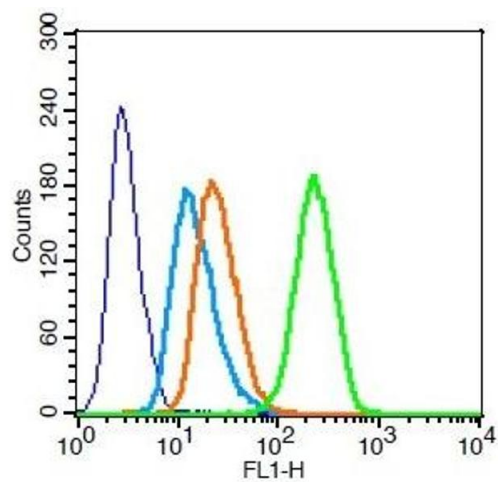
Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Flow Cytometry

Image 1. (Species/Tissue/Cell line) probed with MUC1 Polyclonal Antibody, Unconjugated for 30 minutes followed by incubation with a conjugated secondary (FITC Conjugated) (green) for 30 minutes compared to control cells (blue), secondary only (light blue) and isotype control (orange).