Datasheet for ABIN1106104

anti-MUC1 antibody

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Overview

Quantity:	0.1 mg
Target:	MUC1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MUC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP), Immunohistochemistry (Frozen Sections) (IHC (fro)), Enzyme Immunoassay (EIA), Immunoelectron Microscopy (IEM)

Product Details

Immunogen:	Deglycosylated purified MUC1 glycoprotein.
Clone:	139H2
Isotype:	IgG1
Specificity:	This Mouse monoclonal antibody has been raised against Human milk-fat globule membranes (HMFGM) to obtain reagents for mammary tumor diagnosis. This monoclonal reacts towards an peptide epitope in the repeat region of MUC-1.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Purified

Target Details

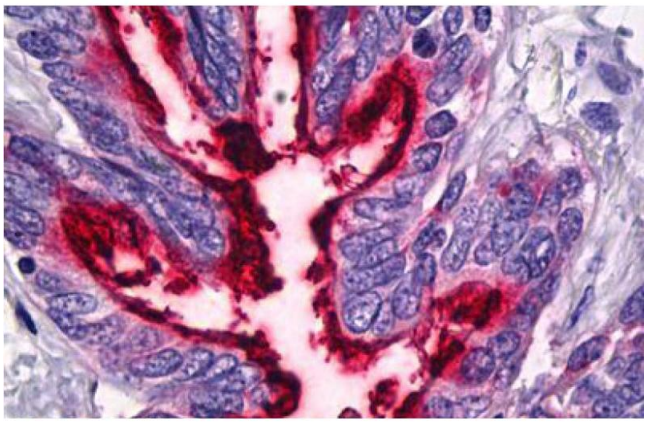
Target:	MUC1
Alternative Name:	CD227 / Mucin-1 / MUC1 (MUC1 Products)
Background:	Mucin 1, cell surface associated (MUC-1) or polymorphic epithelial mucin (PEM) is a mucin encoded by the MUC1 gene in humans. MUC-1 is a glycoprotein with extensive O-linked glycosylation of its extracellular domain. Mucins line the apical surface of epithelial cells in the lungs, stomach, intestines, eyes and several other organs. The protein serves a protective function by binding to pathogens and also functions in a cell signaling capacity. Overexpression, aberrant intracellular localization, and changes in glycosylation of this protein have been associated with colon, breast, ovarian, lung and pancreatic cancers.Synonyms: Breast carcinoma-associated antigen DF3, CA 15-3, Carcinoma-associated mucin, DF3, EMA, Episialin, H23AG, MUC-1, PEMT, PUM, Peanut-reactive urinary mucin, Polymorphic epithelial mucin, Tumor-associated epithelial membrane antigen, Tumor-associated mucin
Gene ID:	4582
NCBI Accession:	NP_001018016
UniProt:	P15941
Pathways:	Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Concentration:	0.1 mg/mL
Buffer:	PBS, 0.09 % Sodium 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry

Image 1.

