Datasheet for ABIN951233

anti-MUC1 antibody (AA 1209-1239)

1 Image

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Overview

Quantity:	0.4 mL
Target:	MUC1
Binding Specificity:	AA 1209-1239
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MUC1 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Synthetic peptide - KLH conjugated - corresponding to human CD227 / Mucin-1 / MUC1 (between 1209-1239aa)
Isotype:	Ig Fraction
Specificity:	This antibody recognizes human CD227 / Mucin-1 / MUC1.
Purification:	Purified through a Protein A column followed by peptide affinity purification

Target Details

Target:	MUC1
Alternative Name:	CD227 / Mucin-1 / MUC1 (MUC1 Products)
Background:	The MUC1 gene is a member of the mucin family and encodes a membrane bound, glyco-

Target Details

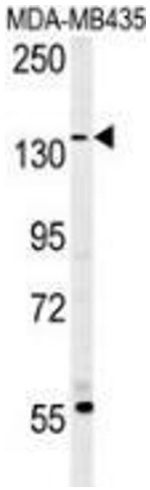
	sylated phosphoprotein anchored to the apical surface of many epithelia by a transmem- brane domain, with the degree of glycosylation varying with cell type. It includes a 20aa variable number tandem repeat (VNTR) domain, with the number of repeats varying from 20 to 120 in different individuals. The protein serves a protective function by binding to pathogens and also functions in a cell signaling capacity. Its overexpression, aberrant intracellular localization and changes in glycosylation have been associated with carcino- mas. Multiple alternatively spliced transcript variants that encode different isoforms of this gene have been reported, but the full-length nature of only some has been determined.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
Molecular Weight:	122102 Da
Gene ID:	4582
NCBI Accession:	NP_001018016
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

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) 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.



Western Blotting

Image 1. Western blot analysis in MDA-MB435 cell line lysates (35ug/lane) using CD227 / Mucin-1 / MUC1 Antibody . This demonstrates this antibody detected the MUC1 protein (arrow).