

Datasheet for ABIN6255791
anti-MUC1 antibody (pTyr1229)



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3 Images

Overview

Quantity:	100 µL
Target:	MUC1
Binding Specificity:	pTyr1229
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MUC1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human CD227/MUC1 around the phosphorylation site of Tyr1229.
Isotype:	IgG
Specificity:	Phospho-CD227/MUC1 (Tyr1229) Antibody detects endogenous levels of CD227/MUC1 only when phosphorylated at Tyrosine 1229.
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

Target Details

Target:	MUC1
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Target Details

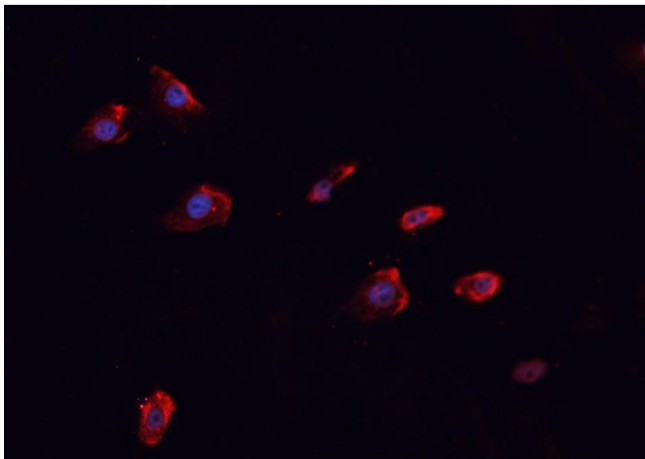
Alternative Name:	MUC1 (MUC1 Products)
Background:	Description: The alpha subunit has cell adhesive properties. Can act both as an adhesion and an anti-adhesion protein. May provide a protective layer on epithelial cells against bacterial and enzyme attack. Gene: MUC1
Molecular Weight:	170kDa
Gene ID:	4582
UniProt:	P15941
Pathways:	Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

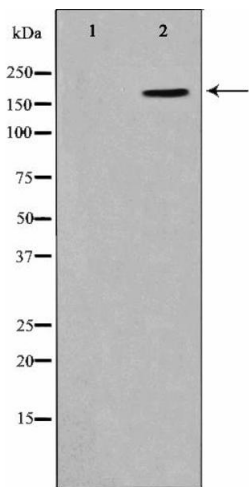
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months



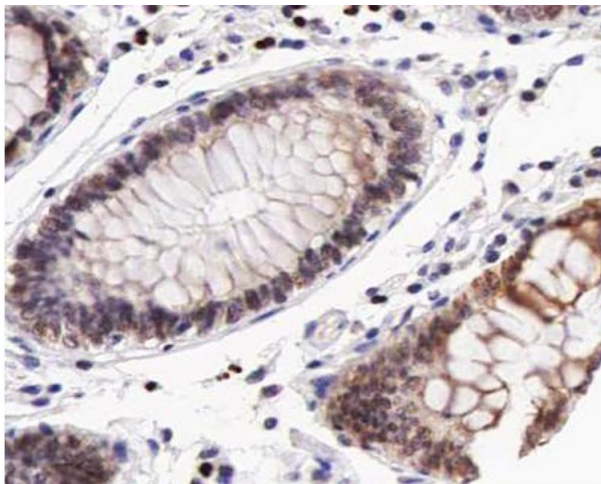
Immunofluorescence (fixed cells)

Image 1. ABIN6266458 staining MCF-7 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody (Cat.# S0006), diluted at 1/600, was used as secondary antibody.



Western Blotting

Image 2. Western blot analysis on HepG2 cell lysate using Phospho-CD227/MUC1(Tyr1229) Antibody. The lane on the left is treated with the antigen-specific peptide.



Immunohistochemistry

Image 3. ABIN6266458 at 1/200 staining human colon carcinoma tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.