Datasheet for ABIN3031864

anti-MUC1 antibody (pThr1224)

3 Images

Go to Product page

Overview

Quantity:	0.4 mL
Target:	MUC1
Binding Specificity:	pThr1224
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MUC1 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Dot Blot (DB)

Product Details

Immunogen:	This phospho-MUC1 antibody was produced from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding pT1224 of human MUC1.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	MUC1
Alternative Name:	MUC1 (MUC1 Products)
Background:	MUC1 is a member of the mucin family and encodes a membrane bound, glycosylated phosphoprotein. The protein is anchored to the apical surface of many epithelia by a

Target Details

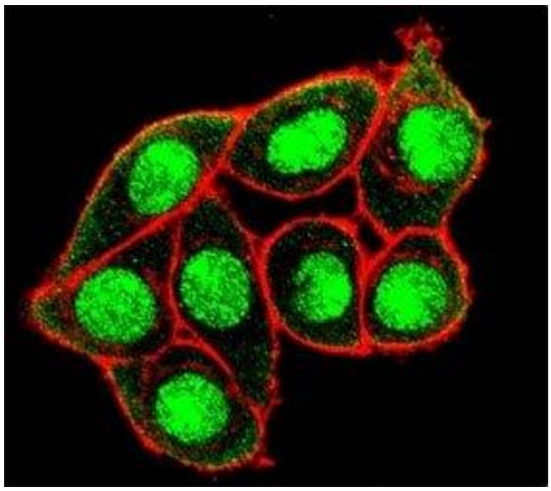
	transmembrane domain, with the degree of glycosylation varying with cell type. It also includes a 20 aa variable number tandem repeat (VNTR) domain, with the number of repeats varying from 20 to 120 in different individuals. The protein serves a protective function by binding to pathogens and also functions in a cell signaling capacity. Overexpression, aberrant intracellular localization, and changes in glycosylation of this protein have been associated with carcinomas.
UniProt:	P15941
Pathways:	Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	Titration of the phospho-MUC1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Dot blot: 1:500,Immunofluorescence: 1:10-1:50
Restrictions:	For Research Use only

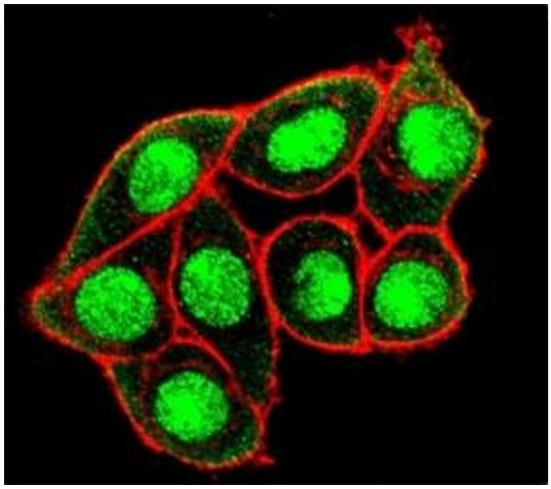
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 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.
Storage:	-20 °C
Storage Comment:	Aliquot the phospho-MUC1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



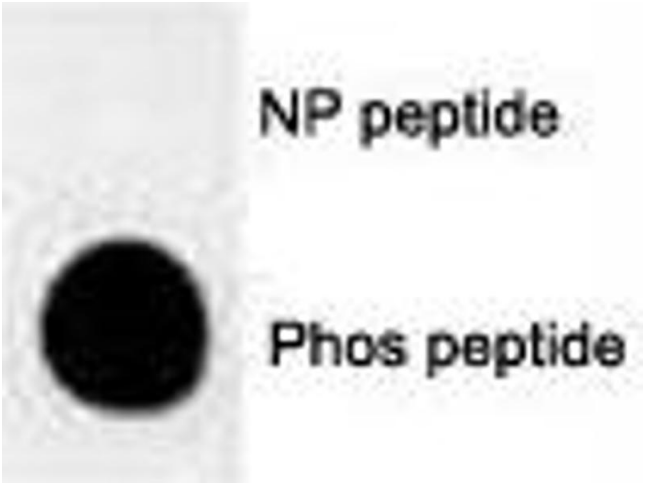
Immunofluorescence

Image 1. Confocal immunofluorescent analysis of phospho-MUC1 antibody and HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 Phalloidin (red).



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of phospho-MUC1 antibody and HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 Phalloidin (red).



Dot Blot

Image 3. Dot blot analysis of phospho-MUC1 antibody. 50ng of phos-peptide or nonphos-peptide per dot were spotted.