

Datasheet for ABIN650864
anti-MUC1 antibody (pThr1224)



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2 Images

Overview

Quantity:	400 µL
Target:	MUC1
Binding Specificity:	pThr1224
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MUC1 antibody is un-conjugated
Application:	Immunofluorescence (IF), Dot Blot (DB)

Product Details

Immunogen:	This MUC1 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding T1224 of human MUC1.
Clone:	RB16594
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	MUC1
Alternative Name:	MUC1 (MUC1 Products)
Background:	MUC1 is a member of the mucin family and encodes a membrane bound, glycosylated

Target Details

phosphoprotein. The protein is anchored to the apical surface of many epithelia by a 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.

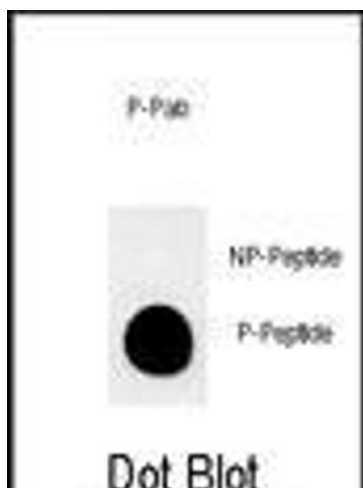
Molecular Weight:	122102
Gene ID:	4582
NCBI Accession:	NP_001018016 , NP_001018017 , NP_001037855 , NP_001037856 , NP_001037857 , NP_001037858 , NP_001191214 , NP_001191215 , NP_001191216 , NP_001191217 , NP_001191218 , NP_001191219 , NP_001191220 , NP_00
UniProt:	P15941
Pathways:	Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	IF: 1:10~50. DB: 1:500
Restrictions:	For Research Use only

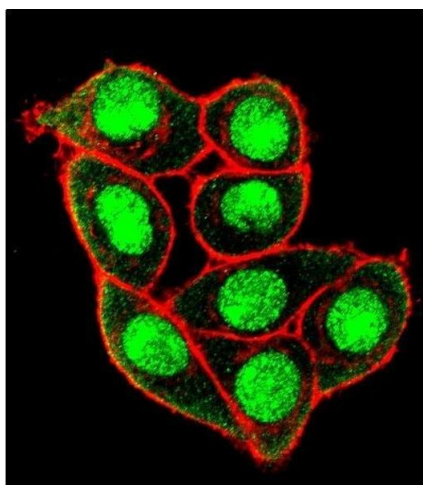
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in 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.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Dot Blot

Image 1. Dot blot analysis of anti-Phospho-MUC1-p Phospho-specific Pab (ABIN650864 and ABIN2839814) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5 µg per ml.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of Phospho-MUC1- Antibody (ABIN650864 and ABIN2839814) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).