

Datasheet for ABIN2462410
anti-MUC1 antibody



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1 Image

Overview

Quantity:	100 µL
Target:	MUC1
Reactivity:	Human, Mouse, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MUC1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), ELISA

Product Details

Immunogen:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human MUC1.
Purification:	Antibody is purified by peptide affinity chromatography method.

Target Details

Target:	MUC1
Alternative Name:	MUC1 (MUC1 Products)
Background:	MUC1 is a membrane bound, glycosylated 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.

Target Details

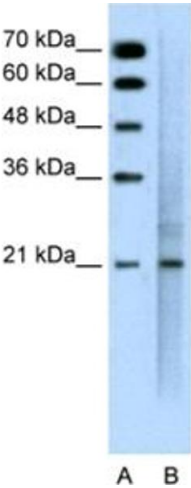
	Overexpression, aberrant intracellular localization, and changes in glycosylation of this protein have been associated with carcinomas.
Molecular Weight:	22 kDa, 28 kDa, 28 kDa, 16 kDa, 17 kDa, 30 kDa
Gene ID:	4582
NCBI Accession:	NP_001037855
UniProt:	Q7Z552
Pathways:	Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	MUC1 antibody can be used for detection of MUC1 by ELISA at 1:312500. MUC1 antibody can be used for detection of MUC1 by western blot at 0.5 µg/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL.
Concentration:	1 mg/mL
Buffer:	Antibody is lyophilized in PBS buffer with 2 % sucrose.
Handling Advice:	As with any antibody avoid repeat freeze-thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	For short periods of storage (days) store at 4 °C. For longer periods of storage, store MUC1 antibody at -20 °C.



Western Blotting

Image 1.