

Datasheet for ABIN3031860
anti-MUC1 antibody (AA 1202-1231)



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2 Images

Overview

Quantity:	0.4 mL
Target:	MUC1
Binding Specificity:	AA 1202-1231
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MUC1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	A portion of amino acids 1202-1231 from the human protein was used as the immunogen for this MUC1 antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	MUC1
Alternative Name:	MUC1 (MUC1 Products)
Background:	The MUC1 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. The beta subunit contains a C-terminal domain which is involved in cell signaling,

Target Details

through phosphorylations and protein-protein interactions. Modulates signaling in ERK, SRC and NF-kappa-B pathways. In activated T-cells, influences directly or indirectly the Ras/MAPK pathway. Promotes tumor progression. Regulates TP53-mediated transcription and determines cell fate in the genotoxic stress response. Binds, together with KLF4, the PE21 promoter element of TP53 and represses TP53 activity. [UniProt]

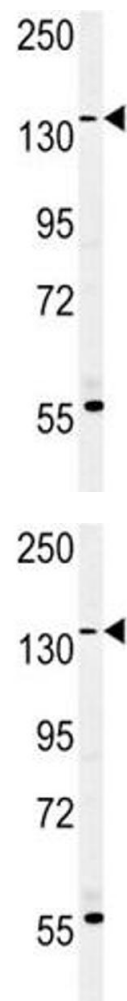
UniProt:	P15941
Pathways:	Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	Titration of the MUC1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000
Restrictions:	For Research Use only

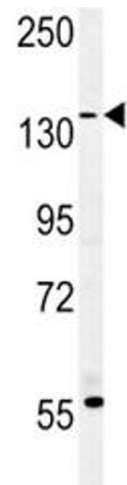
Handling

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 MUC1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1. MUC1 antibody western blot analysis in MDA-MB435 lysate. Predicted molecular weight: 120-500 kDa depending on glycosylation level



Western Blotting

Image 2. MUC1 antibody western blot analysis in MDA-MB435 lysate. Predicted molecular weight: 120-500 kDa depending on glycosylation level