

Datasheet for ABIN3031859
anti-MUC1 antibody (AA 1176-1205)



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3 Images

Overview

Quantity:	0.4 mL
Target:	MUC1
Binding Specificity:	AA 1176-1205
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MUC1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), ELISA

Product Details

Immunogen:	A portion of amino acids 1176-1205 from the human protein was used as the immunogen for this MUC-1 antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	MUC1
Alternative Name:	MUC-1 (MUC1 Products)
Background:	This gene 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 transmembrane domain, with the degree of glycosylation varying with cell type. It also includes

Target Details

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. Multiple alternatively spliced transcript variants that encode different isoforms of this gene have been reported, but the full-length nature of only some has been determined. [provided by RefSeq].

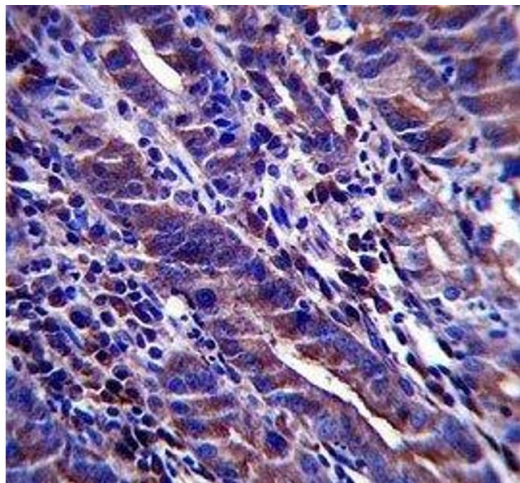
UniProt:	P15941
Pathways:	Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	Titration of the MUC-1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 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 MUC-1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



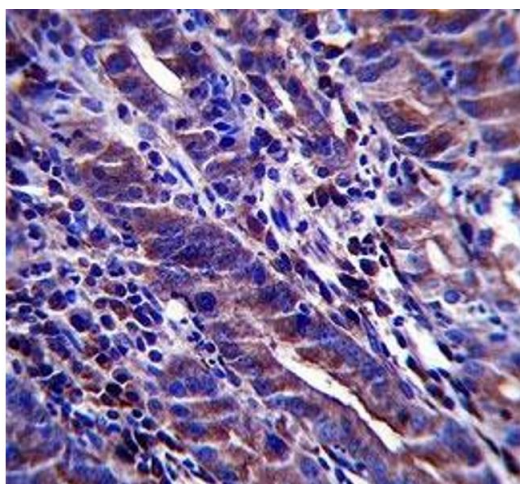
Immunohistochemistry

Image 1. MUC-1 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue.



Western Blotting

Image 2. MUC-1 antibody western blot analysis in NCI-H292 lysate. This Ab will detect the 17-28 kDa isoforms as well as full length MUC1.



Immunohistochemistry

Image 3. MUC-1 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue.