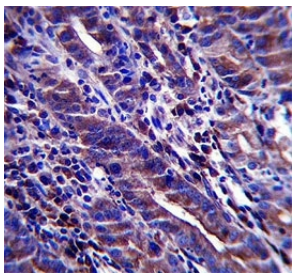
MUC-1 Antibody (F43118)

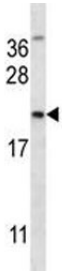
Catalog No.	Formulation	Size
F43118-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F43118-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P15941
Applications	Western blot: 1:1000 IHC (Paraffin): 1:10-1:50
Limitations	This MUC-1 antibody is available for research use only.



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



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.

Description

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 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].

Application Notes

Titration of the MUC-1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1176-1205 from the human protein was used as the immunogen for this MUC-1 antibody.

Storage

Aliquot the MUC-1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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