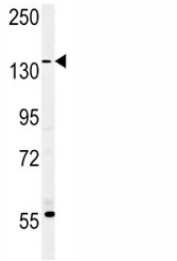
MUC1 Antibody (F40466)

Catalog No.	Formulation	Size
F40466-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40466-0.08ML	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
Limitations	This MUC1 antibody is available for research use only.



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

Description

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, 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]

Application Notes

Titration of the MUC1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1202-1231 from the human protein was used as the immunogen for this MUC1 antibody.

Storage

Aliquot the MUC1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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