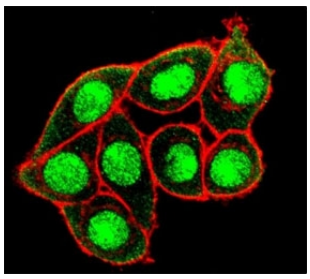
Phospho-MUC1 Antibody (pT1224) (F48634)

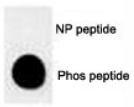
Catalog No.	Formulation	Size
F48634-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F48634-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P15941
Applications	Dot Blot : 1:500 Immunofluorescence : 1:10-1:50
Limitations	This phospho-MUC1 antibody is available for research use only.



Confocal immunofluorescent analysis of phospho-MUC1 antibody and HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 Phalloidin (red).



Dot blot analysis of phospho-MUC1 antibody. 50ng of phos-peptide or nonphos-peptide per dot were spotted.

Description

MUC1 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.

Application Notes

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

Immunogen

This phospho-MUC1 antibody was produced from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding pT1224 of human MUC1.

Storage

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

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com