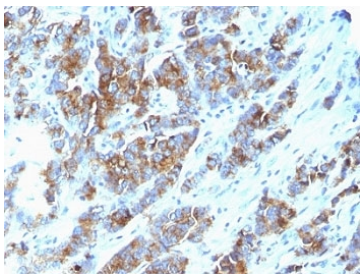
Mucin-1 Antibody [clone SPM533] (V9048)

Catalog No.	Formulation	Size
V9048-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V9048-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V9048SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V9048IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, lambda
Clone Name	SPM533
Purity	Protein G affinity chromatography
UniProt	P15941
Localization	Cytoplasmic & cell surface
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This Mucin-1 antibody is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human breast carcinoma stained with Mucin-1 antibody (clone SPM533).

Description

Mucin-1 is a 265-400kDa glycoprotein. This protein is proteolytically cleaved into alpha and beta subunits that form a heterodimeric complex. The N-terminal alpha subunit and the C-terminal beta subunit. . The alpha subunit has cell adhesive properties. It can act both as an adhesion and an anti-adhesion protein. MUC1 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.

Application Notes

The optimal dilution of the Mucin-1 antibody for each application should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Delipidated extract of human milk fat globule membranes was used as the immunogen for this Mucin-1 antibody.

Storage

Store the Mucin-1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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