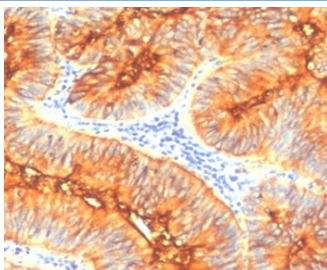


Mucin 4 Antibody / MUC4 [clone MUCN4-1] (V7573)

Catalog No.	Formulation	Size
V7573-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7573-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7573SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7573IHC-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](#)

Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	MUCN4-1
Purity	Protein G affinity chromatography
UniProt	Q99102
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Prediluted IHC Only Format : incubate for 30 min at RT (1)
Limitations	This Mucin 4 antibody is available for research use only.



IHC testing of FFPE human colon carcinoma with Mucin 4 antibody (clone MUCN4-1).
HIER: requires steaming of sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.

Description

The major constituents of mucus, the viscous secretion that covers epithelial surfaces such as those in the trachea, colon, and cervix, are highly glycosylated proteins called mucins. These glycoproteins play important roles in the protection of the epithelial cells and have been implicated in epithelial renewal and differentiation. This gene encodes an integral membrane glycoprotein found on the cell surface, although secreted isoforms may exist. At least two dozen transcript variants of this gene have been found, although for many of them the full-length transcript has not been determined or they are found only in tumor tissues. [RefSeq]

Application Notes

Optimal dilution of the Mucin 4 antibody should be determined by the researcher.

1. 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

Amino acids 1730-1864 from the human protein were used as the immunogen for this Mucin 4 antibody.

Storage

Store the Mucin 4 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).