

Product Datasheet

MUC4 Antibody / Mucin-4 (orb607148)

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]
Species/Host	Mouse
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	IHC-P
Immunogen	Amino acids 1730-1864 from the human protein were used as the immunogen for this Mucin 4 antibody.
Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin (US sourced) and 0.05% sodium azide
Storage	Store the Mucin 4 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).
Note	For research use only
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.
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide
Isotype	Mouse IgG1, kappa

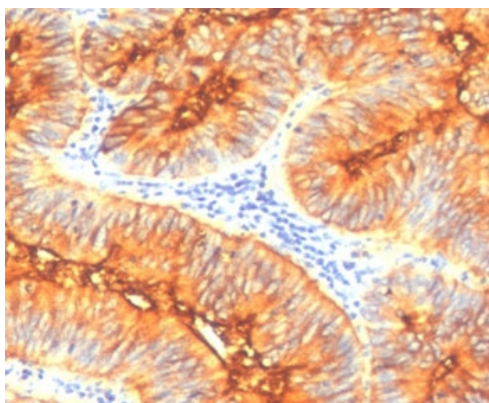
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Clonality	Monoclonal
Clone Number	MUCN4-1
Antibody Type	Primary Antibody
Purity	Protein G affinity chromatography
Uniprot ID	Q99102
Hazard Information	This Mucin 4 antibody is available for research use only.
Dilution Range	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT, Prediluted IHC only format: incubate for 30 min at RT (1)
Expiration Date	12 months from date of receipt.



IHC testing of FFPE human colon carcinoma with Mucin 4 antibody (clone MUCN4-1). HIER: requires steaming of sections in pH9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.

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