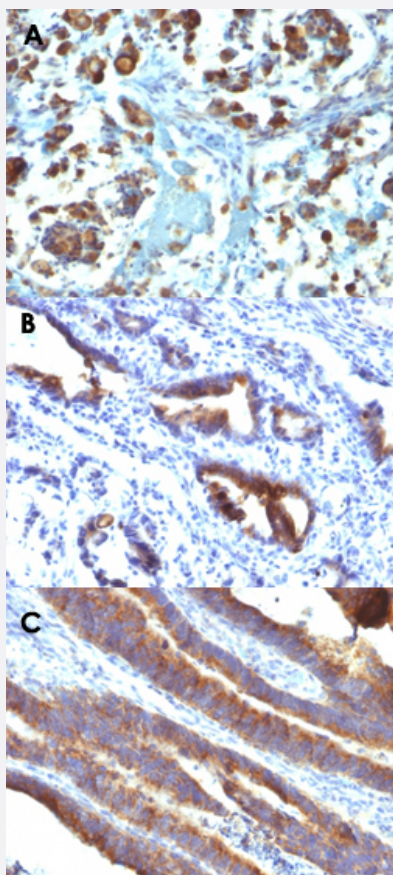


MUC3 monoclonal antibody, clone M3.1

Catalog # MAB13370 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human gastric carcinoma (A, B) and human colon carcinoma (C) with MUC3 monoclonal antibody, clone M3.1 (Cat # MAB13370).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of human MUC3.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to a 35 amino acid fragment, SIB35, which contains two tandem repeats of human MUC3.
Host	Mouse
Theoretical MW (kDa)	1100

Reactivity	Human
Specificity	This monoclonal antibody shows no cross-reaction with human milk fat globule membranes, MUC1, or MUC2.
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG2a, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10 ⁶ cells in 0.1 mL) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS.
Storage Instruction	Store at -20 to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human gastric carcinoma (A, B) and human colon carcinoma (C) with MUC3 monoclonal antibody, clone M3.1 (Cat # MAB13370).

- Immunofluorescence

- Flow Cytometry

Gene Info — MUC3A

Entrez GeneID	4584
Protein Accession#	Q02505;Q9H195
Gene Name	MUC3A
Gene Alias	MUC3, mucin
Gene Description	mucin 3A, cell surface associated
Omim ID	158371 191390

Gene Ontology

[Hyperlink](#)

Gene Summary

The mucin genes encode epithelial glycoproteins, some of which are secreted and some membrane bound. Each of the genes contains at least one large domain of tandemly repeated sequence that encodes the peptide sequence rich in serine and/or threonine residues, which carries most of the O-linked glycosylation (Gendler and Spicer, 1995 [PubMed 7778880]).[supplied by OMIM]

Other Designations

mucin 3, intestinal|mucin 3A, intestinal

Gene Info — MUC3B

Entrez GeneID

[57876](#)

Protein Accession#

[Q02505:Q9H195](#)

Gene Name

MUC3B

Gene Alias

MUC3, MUC3A

Gene Description

mucin 3B, cell surface associated

Omim ID

[605633](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

O

Other Designations

intestinal mucin MUC3B|mucin 3B