

MUC2 Rabbit Polyclonal Antibody

Catalog No: #53898



Package Size: #53898-1 50ul #53898-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

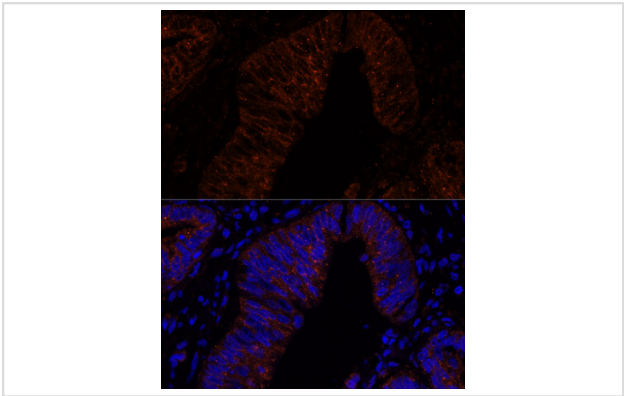
Description

Product Name	MUC2 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human;Mouse;Rat
Immunogen Description	A synthetic peptide of human MUC2 (NP_002448.4).
Conjugates	Unconjugated
Other Names	MUC2;MLP;MUC-2;SMUC;mucin-2
Accession No.	Swiss Prot:Q02817GenelD:4583
Calculated MW	540kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

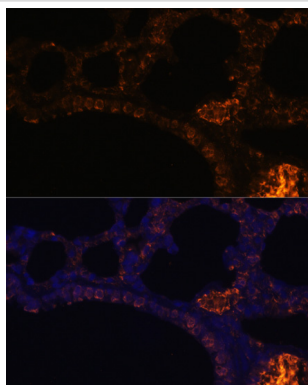
Application Details

WB 1:500 - 1:2000IHC 1:50 - 1:200IF 1:50 - 1:200

Images



Immunofluorescence analysis of human colon carcinoma cells using MUC2 at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of rat lung cells using MUC2 at dilution of 1:100. Blue: DAPI for nuclear staining.

Background

This gene encodes a member of the mucin protein family. Mucins are high molecular weight glycoproteins produced by many epithelial tissues. The protein encoded by this gene is secreted and forms an insoluble mucous barrier that protects the gut lumen. The protein polymerizes into a gel of which 80% is composed of oligosaccharide side chains by weight. The protein features a central domain containing tandem repeats rich in threonine and proline that varies between 50 and 115 copies in different individuals. Alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known.

Published Papers

Lanping Zhu;Yang Luo;Yaxin Liu;Siyuan Sun;Junjie Yuan;Lijun Zhang;Weilong Zhong;Shuang Ma;Zihan Yu;Jinjie Zhou;Xin Chen;Jingwen Zhao et al., Clostridium butyricum ameliorates indomethacin-induced enteropathy by promoting MUC2 secretion via suppressing the Notch pathway., , (2025)

[PMID:40177488](#)

Lanping Zhu;Yang Luo;Yaxin Liu;Siyuan Sun;Junjie Yuan;Lijun Zhang;Weilong Zhong;Shuang Ma;Zihan Yu;Jinjie Zhou;Xin Chen;Jingwen Zhao et al., Clostridium butyricum ameliorates indomethacin-induced enteropathy by promoting MUC2 secretion via suppressing the Notch pathway., , (2025)

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.