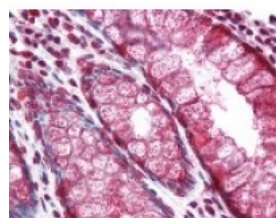




Mucin 2 Antibody [996/1]

CATALOG NUMBER: 49-801



Immunohistochemistry staining of Mucin 2
in colon: formalin-fixed, paraffin-embedded
(ffpe)Mucin 2 Monoclonal Antibody.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	IHC, WB
APPLICATIONS:	Mucin 2 antibody can be used in ELISA, Western Blot, and immunohistochemistry starting at 10 ug/mL.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	Recognizes human Mucin 2 (MUC-2), and shows no cross-reactivity with MUC-1, MUC-3 or MUC-4. In tissue sections recognizes colon, liver and prostate tissues strongly. The antibody recognizes malignant colonic mucosa as well as normal mucosa.
IMMUNOGEN:	Mucin 2 monoclonal antibody was raised against a tandem repeat peptide of Mucin 2 (Human).
HOST SPECIES:	Mouse

Properties

PURIFICATION:	Protein G Column
PHYSICAL STATE:	Liquid
BUFFER:	PBS, pH 7.4, 0.09% sodium azide.
STORAGE CONDITIONS:	Store Mucin 2 antibody at 4 °C or -20 °C. As with all antibodies avoid freeze/thaw cycles. Store undiluted.
CLONALITY:	Monoclonal
ISOTYPE:	IgG1
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	MUC2, Intestinal mucin-2, Mucin-like protein, MUC-2, Mucin 2, intestinal/tracheal, Mucin 2, Mucin-2, MLP, SMUC
ACCESSION NO.:	Q02817
PROTEIN GI NO.:	2506877
OFFICIAL SYMBOL:	MUC2
GENE ID:	4583

Background

BACKGROUND: This product does not require protein digestion pre-treatment of paraffin sections. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections. IHC Control: Normal colon

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.

FOR RESEARCH USE ONLY

December 13, 2016