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MUC3 (Mucin 3) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone SPM200]
Catalog # AH11894

Specification

MUC3 (Mucin 3) Antibody - With BSA and Azide - Product Information

Application	**,2,3,4,**
Primary Accession	Q02505
Other Accession	4584, 57876, 744422, 744530, Q9H195
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse / IgG2a, kappa**
Calculated MW	**1100kDa KDa**

MUC3 (Mucin 3) Antibody - With BSA and Azide - Additional Information

Gene ID 4584

Other Names
Mucin-3A, MUC-3A, Intestinal mucin-3A, MUC3A, MUC3

Storage
Store at 2 to 8°C.Antibody is stable for 24 months.

Precautions
MUC3 (Mucin 3) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

MUC3 (Mucin 3) Antibody - With BSA and Azide - Protein Information

Name MUC3A (HGNC:7513)

Function
Major glycoprotein component of a variety of mucus gels. Thought to provide a protective, lubricating barrier against particles and infectious agents at mucosal surfaces. May be involved in ligand binding and intracellular signaling.

Cellular Location
[Isoform 1]: Membrane; Single-pass membrane protein [Isoform 3]: Secreted [Isoform 5]: Secreted.

Tissue Location
Broad specificity; small intestine, colon, colonic tumors, heart, liver, thymus, prostate, pancreas and gall bladder

MUC3 (Mucin 3) Antibody - With BSA and Azide - Protocols

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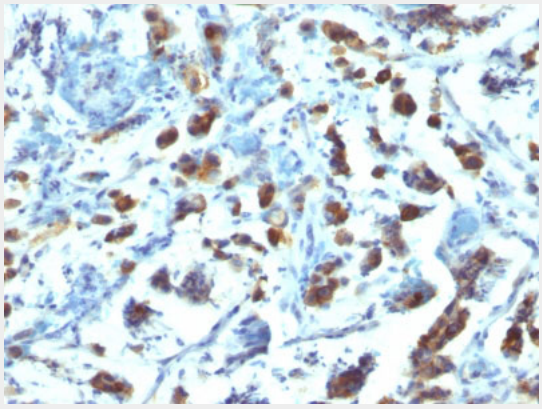
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MUC3 (Mucin 3) Antibody - With BSA and Azide - Images



Formalin-fixed, paraffin-embedded human Gastric Carcinoma stained with MUC3 Monoclonal Antibody (SPM200).

MUC3 (Mucin 3) Antibody - With BSA and Azide - Background

It recognizes a protein of HMW, identified as mucin 3 glycoprotein (MUC3). Its epitope localizes between aa SITTTE. This MAb shows no cross-reaction with human milk fat globule membranes, MUC1, or MUC2. MUC3 is distributed in colon and rectum, and is also present to a lesser extent in breast, lung and salivary gland tissues. The Mucins are a family of highly glycosylated, secreted proteins with a basic structure consisting of a variable number of tandem repeats (VNTRs) encoded by 60 base pairs (Mucin 1), 69 base pairs (Mucin 2) and 51 base pairs (Mucin 3). The number of repeats is highly polymorphic and varies among different alleles. Mucin 1 proteins are expressed as type I membrane proteins in addition to secreted forms. Mucin 1 is aberrantly expressed in epithelial tumors including breast carcinomas. Mucin 2 coats the epithelia of the intestines and airways and is associated with colonic tumors. Mucin 3 is a major component of various mucus gels and is broadly expressed in normal and tumor cells.

MUC3 (Mucin 3) Antibody - With BSA and Azide - References

Apostolopoulos V, et. al. Journal of Gastroenterology and Hepatology, 1995, 10:555-61. |