

MUC2 Rabbit mAb

Catalog No: #49518

Package Size: #49518-1 50ul #49518-2 100ul

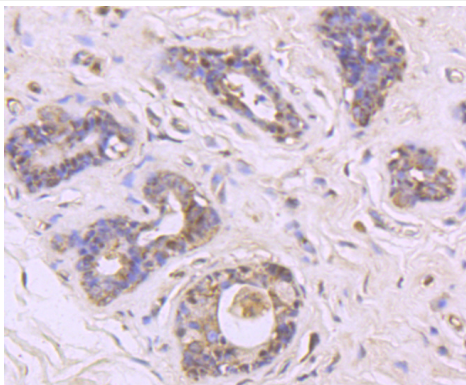
Description

Product Name	MUC2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	JA10-92
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, FC
Species Reactivity	Hu, Rt
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	Intestinal mucin 2 antibody Intestinal mucin-2 antibody MLP antibody MUC 2 antibody MUC-2 antibody Muc2 antibody MUC2_HUMAN antibody Mucin 2 antibody Mucin 2 intestinal antibody Mucin 2 intestinal/tracheal antibody Mucin 2 oligomeric mucus/gel forming antibody Mucin 2 precursor antibody Mucin 2 tracheal antibody Mucin like protein antibody Mucin-2 antibody Mucin2 antibody SMUC antibody
Accession No.	Swiss-Prot#:Q02817
Calculated MW	540 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

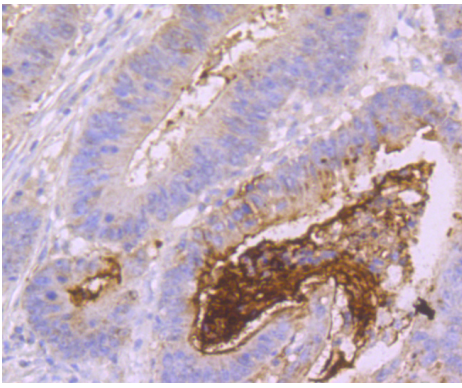
Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200 ICC: 1:100-1:500FC: 1:50-1:100

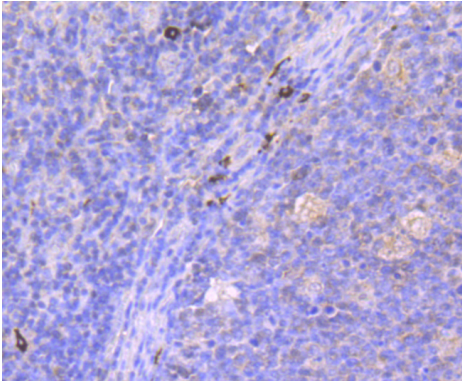
Images



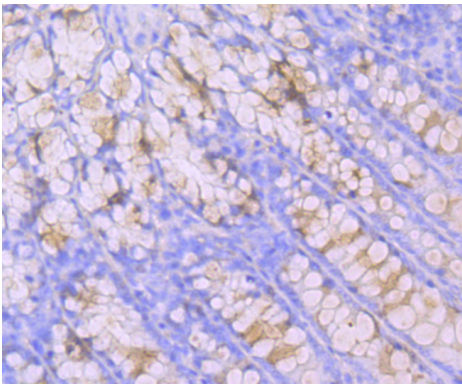
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using anti-MUC2 antibody. Counter stained with hematoxylin.



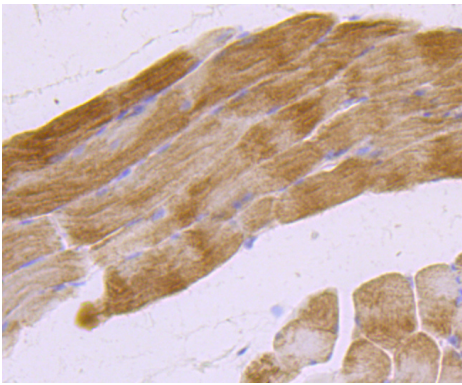
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-MUC2 antibody. Counter stained with hematoxylin.



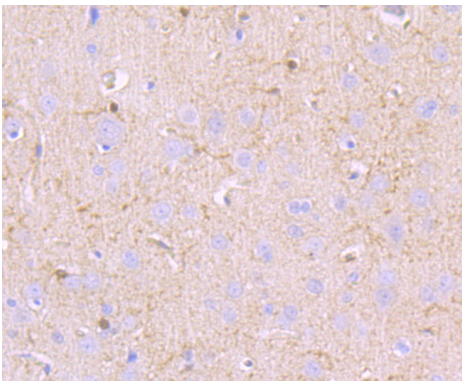
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-MUC2 antibody. Counter stained with hematoxylin.



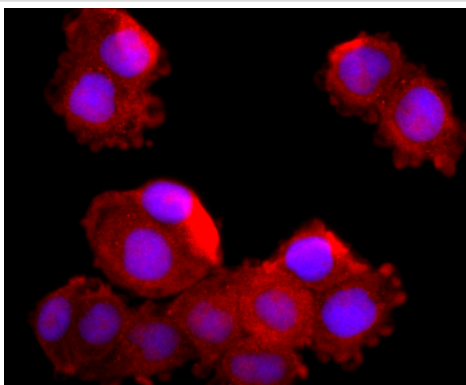
Immunohistochemical analysis of paraffin-embedded rat intestine tissue using anti-MUC2 antibody. Counter stained with hematoxylin.



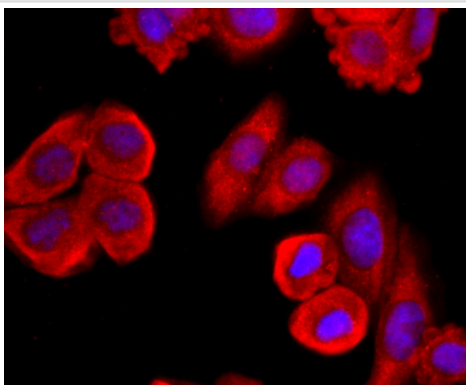
Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue using anti-MUC2 antibody. Counter stained with hematoxylin.



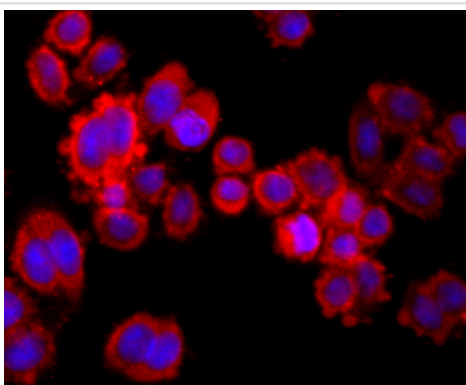
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-MUC2 antibody. Counter stained with hematoxylin.



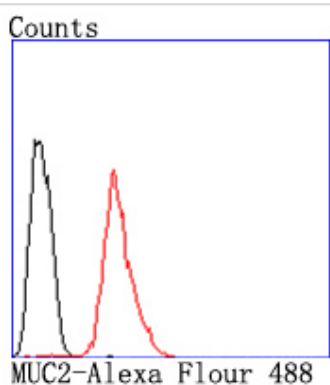
ICC staining MUC2 in HeLa cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining MUC2 in HepG2 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining MUC2 in SW480 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of HeLa cells with MUC2 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

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.

References

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