

Rabbit MUC2 Polyclonal Antibody | anti-MUC2 antibody

MUC2 Rabbit pAb

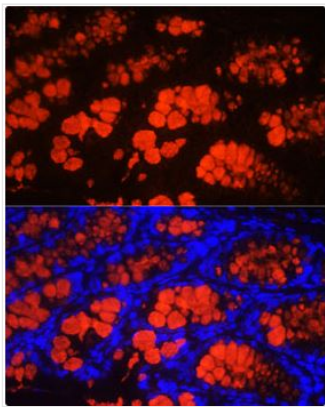
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28400	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

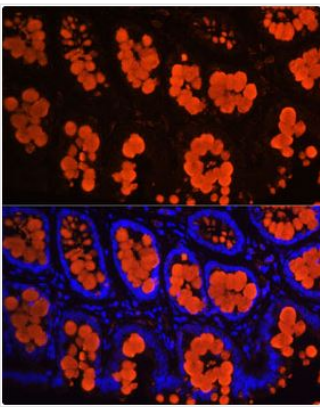
MUC2; Polyclonal Antibody; MUC2 Rabbit pAb; MLP; MUC-2; SMUC; mucin-2; anti-MUC2 antibody

PRODUCT SPECIFICATIONS

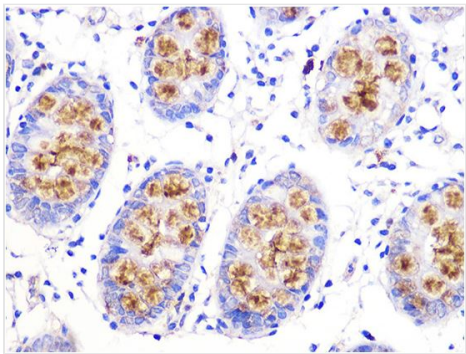
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Liquid. PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Sequence	LCAQQNICLD WRNHTHGACL VECPSHREYQ ACGPAEEPTC KSSSSQQNNT VLVEGCFCPE GTMNYAPGFD VCVKTCGCVG PDNVPREFGE HFEFDCKNCV C
Applicable Applications for anti-MUC2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:200 Customer validation: (Human bone marrow cancer cell, Human chronic myeloid leukemia cells), IHC (Mus musculus, Rattus norvegicus), WB (Mus musculus), IF (Mus musculus)
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 4850-4950 of human MUC2 (NP_002448.4).
Positive Samples	HT-29, Mouse small intestine, Rat large intestine, Rat small intestine
Cellular Location	Secreted
Research Area	Cancer, Tumor immunology, Tumor-associated antigens Cancer, Invasion and Metastasis
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



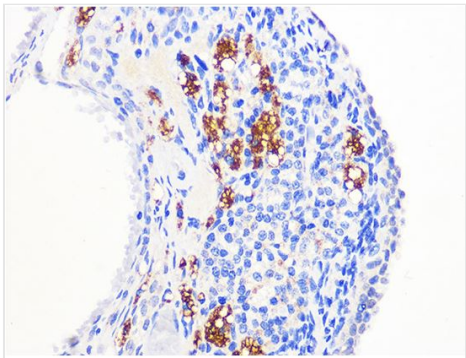
IF (Immunofluorescence)
Immunofluorescence analysis of Mouse colon using MUC2 Rabbit pAb (AAA28400) at dilution of 1:100. Blue: DAPI for nuclear staining.



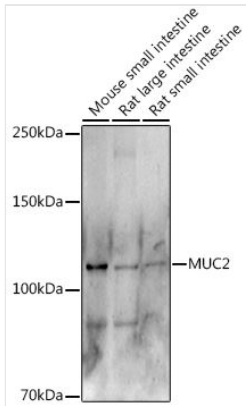
IF (Immunofluorescence)
Immunofluorescence analysis of Rat rectum using MUC2 Rabbit pAb (AAA28400) at dilution of 1:100. Blue: DAPI for nuclear staining.



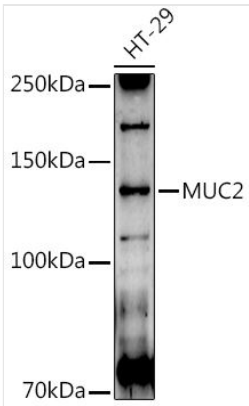
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human colon using MUC2 Rabbit pAb (AAA28400) at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded rat ovary using MUC2 Rabbit pAb (AAA28400) at dilution of 1:100 (40x lens).



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using MUC2 antibody (AAA28400) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 180s.



WB (Western Blot)
Western blot analysis of extracts of HT-29 cells, using MUC2 antibody (AAA28400) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 180s.

ADDITIONAL INFORMATION

Related Product Information for anti-MUC2 antibody

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	116284392
NCBI GeneID	4583
NCBI Accession #	NP_002448.2
NCBI GenBank Nucleotide #	NM_002457.2
UniProt Accession #	Q02817; Q14878
Molecular Weight	540,300 Da
NCBI Official Full Name	mucin-2
NCBI Official Synonym Full Names	mucin 2, oligomeric mucus/gel-forming
NCBI Official Symbol	MUC2
NCBI Official Synonym Symbols	MLP; SMUC; MUC-2
NCBI Protein Information	mucin-2; intestinal mucin-2; mucin-like protein; mucin 2, intestinal/tracheal
UniProt Protein Name	Mucin-2
UniProt Gene Name	MUC2
UniProt Synonym Gene Names	SMUC; MUC-2
UniProt Entry Name	MUC2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/muc2-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/28400>