MUC2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MUC2, Polyclonal Antibody
Full Product Name	MUC2 Rabbit pAb
Product Gene Name	anti-MUC2 antibody
Product Synonym Names	Intestinal mucin 2; MLP; Muc2; Mucin 2 intestinal/tracheal; Mucin2; SMUC
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Rat
Form/Format	In phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% Sodium Azide and 50% Glycerol.
Purity/Purification	Affinity Chromatography
Preparation and Storage	Store at 4 degree C short term. Store at -20 degree C long term. Avoid freeze/thaw cycle.
Molecular Weight	540kDa
OMIM	158370
3D Structure	ModBase 3D Structure for Q02817
Immunogen	A synthesized peptide derived from human MUC2
Cellular Localization	Secreted
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MUC2 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF), Immunoprecipitation (IP), Flow Cytometry (FC/FACS)
Application Notes for anti-MUC2 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200 ICC/IF: 1:50-1:200 IP: 1:50 FC/FACS: 1:50
Related Product Information for anti-MUC2 antibody	Coats the epithelia of the intestines, airways, and other mucus membrane-containing organs. Thought to provide a protective, lubricating barrier against particles and infectious agents at mucosal surfaces. Major constituent of both the inner and outer mucus layers of the colon and may play a role in excluding bacteria from the inner mucus layer.
Other Notes	Small volumes of anti-MUC2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MUC2 purchase	MBS8543210 is an antibody targeting MUC2. Also known as MUC2 Rabbit pAb. Reactive in Human, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MUC2. It may not necessarily be applicable to this product.

NCBI GI #	116284392

NCBI Accession #	NP_002448.2
UniProt Primary Accession #	Q02817
GenBank Nucleotide #	NP_002448.2
NCBI Official Full Name	mucin-2
UniProt Protein Name	Mucin-2
UniProt Synonym Protein Names	Intestinal mucin-2
Protein Family	Mucin
UniProt Gene Name	MUC2
UniProt Synonym Gene Names	SMUC; MUC-2
UniProt Entry Name	MUC2_HUMAN
UniProt Comments for MUC2	MUC2: Coats the epithelia of the intestines, airways, and other mucus membrane-containing organs. Thought to provide a protective, lubricating barrier against particles and infectious agents at mucosal surfaces. Major constituent of both the inner and outer mucus layers of the colon and may play a role in excluding bacteria from the inner mucus layer. Protein type: Secreted; Extracellular matrix; Secreted, signal peptide Chromosomal Location of Human Ortholog: 11p15.5 Cellular Component: Golgi lumen Molecular Function: protein binding Biological Process: protein amino acid O-linked glycosylation; cellular protein metabolic process; O-glycan processing; maintenance of gastrointestinal epithelium; post-translational protein modification
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