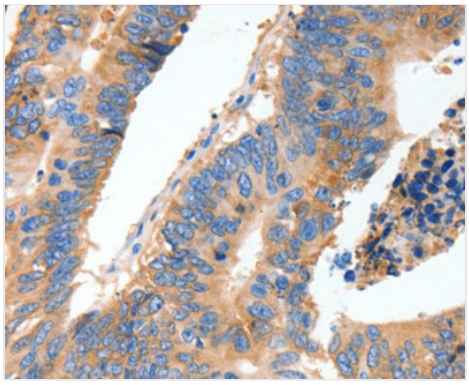
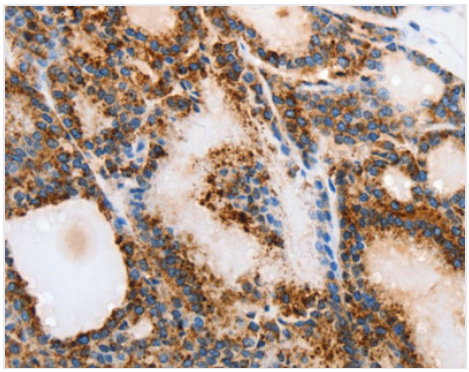
MUC6 Antibody – Rabbit

PRODUCT OVERVIEW

Product Name	MUC6, Antibody
Full Product Name	MUC6 Polyclonal Antibody
Product Gene Name	anti-MUC6 antibody
Product Synonym Names	MUC-6
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	PBS with 0.05% sodium azide and 50% glycerol, PH7.4
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.
OMIM	158374
3D Structure	ModBase 3D Structure for Q6W4X9
Note	Centrifuge before opening to ensure complete recovery of vial contents.
Immunogen	Synthetic peptide of human MUC6
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MUC6 antibody	Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-MUC6 antibody	IHC 1:50-1:200
Related Product Information for anti-MUC6 antibody	The MUC6 gene encodes gastric mucin, a secreted glycoprotein that plays an essential role in epithelial cytoprotection from acid, proteases, pathogenic microorganisms, and mechanical trauma in the gastrointestinal tract. May provide a mechanism for modulation of the composition of the protective mucus layer related to acid secretion or the presence of bacteria and noxious agents in the lumen. Plays an important role in the cytoprotection of epithelial surfaces and are used as tumor markers in a variety of cancers. May play a role in epithelial organogenesis.
Other Notes	Small volumes of anti-MUC6 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 MUC6 purchase	MBS2521141 is an antibody targeting MUC6. Also known as MUC6 Polyclonal Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-MUC6 antibody
Immunohistochemistry of paraffin-embedded Human colon cancer tissue using MUC6 Polyclonal Antibody at dilution 1:40



Immunohistochemistry (IHC) of anti-MUC6 antibody
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using MUC6 Polyclonal Antibody at dilution 1:40

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MUC6. It may not necessarily be applicable to this product.

NCBI GI #	151301154
NCBI GeneID	4588
NCBI Accession #	NP_005952
UniProt Primary Accession #	Q6W4X9
UniProt Secondary Accession #	O15329; Q14394; Q2TUQ5; Q4L207; Q8N8I1; Q8NAK1
UniProt Related Accession #	Q6W4X9
GenBank Nucleotide #	NM_005961.2
NCBI Official Full Name	mucin-6
NCBI Official Synonym Full Names	mucin 6, oligomeric mucus/gel-forming
NCBI Official Symbol	MUC6
NCBI Official Synonym Symbols	MUC-6
UniProt Protein Name	Mucin-6
UniProt Synonym Protein Names	Gastric mucin-6
Protein Family	Mucin
UniProt Gene Name	MUC6
UniProt Synonym Gene Names	MUC-6
UniProt Entry Name	MUC6_HUMAN
NCBI Protein Information	mucin-6; gastric mucin-6
NCBI Summary for MUC6	The MUC6 gene encodes gastric mucin, a secreted glycoprotein that plays an essential role in epithelial cytoprotection from acid, proteases, pathogenic microorganisms, and mechanical trauma in the gastrointestinal tract (summary by Toribara et al., 1993 [PubMed 7680650]).[supplied by OMIM, Dec 2010]

UniProt Comments for MUC6	MUC6: May provide a mechanism for modulation of the composition of the protective mucus layer related to acid secretion or the presence of bacteria and noxious agents in the lumen. Plays an important role in the cytoprotection of epithelial surfaces and are used as tumor markers in a variety of cancers. May play a role in epithelial organogenesis. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 11p15.5 Cellular Component: Golgi lumen; extracellular region Molecular Function: extracellular matrix structural constituent Biological Process: protein amino acid O-linked glycosylation; cellular protein metabolic process; O-glycan processing; maintenance of gastrointestinal epithelium; post-translational protein modification
Research Articles on MUC6	**1.** There was no difference in the expression of deep MUC1, MUC2, MUC5AC, or MUC6 between the groups of gastric cancer and controls.
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