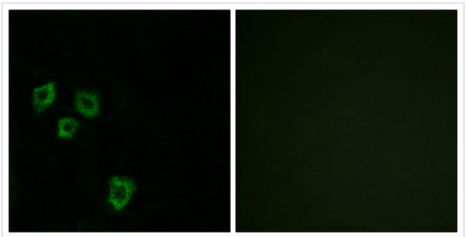
MUC16 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MUC16, Polyclonal Antibody
Full Product Name	MUC16 Antibody
Product Gene Name	anti-MUC16 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	MUC16 Antibody detects endogenous levels of total MUC16 protein.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	2353 kDa
OMIM	AC008734 Genomic DNA
3D Structure	ModBase 3D Structure for Q8WXI7
Target Modification	Unmodified/Total
Immunogen	The antiserum was produced against synthesized peptide derived from human MUC16.
Immunogen Range	13311-13360
Applications Tested/Suitable for anti-MUC16 antibody	Immunofluorescence (IF), ELISA (EIA)
Application Notes for anti-MUC16 antibody	IF: 1:100~1:500 ELISA: 1:20000
Related Product Information for anti-MUC16 antibody	MBS9505374 is an antibody targeting MUC16. Also known as MUC16 Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-MUC16 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.



Immunofluorescence (IF) of anti-MUC16 antibody
Immunofluorescence analysis of HepG2 cells, using MUC16 Antibody. The picture on the right is blocked with the synthesized peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MUC16. It may not necessarily be applicable to this product.

NCBI GI #	83367077
NCBI GeneID	94025
NCBI Accession #	NP_078966.2
UniProt Primary Accession #	Q8WXI7
UniProt Secondary Accession #	Q6ZQW5; Q96RK2; B5ME49
UniProt Related Accession #	Q8WXI7
GenBank Nucleotide #	NM_024690.2
NCBI Official Full Name	mucin-16
NCBI Official Synonym Full Names	mucin 16, cell surface associated
NCBI Official Symbol	MUC16
NCBI Official Synonym Symbols	CA125
UniProt Protein Name	Mucin-16
UniProt Synonym Protein Names	Ovarian cancer-related tumor marker CA125
Protein Family	Mucin
UniProt Gene Name	MUC16
UniProt Synonym Gene Names	CA-125
NCBI Protein Information	mucin-16
NCBI Summary for MUC16	This gene encodes a protein that is a member of the mucin family. Mucins are high molecular weight, O-glycosylated proteins that play an important role in forming a protective mucous barrier, and are found on the apical surfaces of the epithelia. The encoded protein is a membrane-tethered mucin that contains an extracellular domain at its amino terminus, a large tandem repeat domain, and a transmembrane domain with a short cytoplasmic domain. The amino terminus is highly glycosylated, while the repeat region contains 156 amino acid repeats unit that are rich in serines, threonines, and prolines. Interspersed within the repeats are Sea urchin sperm protein Enterokinase and Agrin (SEA) modules, leucine-rich repeats and ankyrin (ANK) repeats. These regions together form the ectodomain, and there is a potential cleavage site found near an SEA module close to the transmembrane domain. This protein is thought to play a role in forming a barrier, protecting epithelial cells from pathogens. Products of this gene have been used as a marker for different cancers, with higher expression levels associated with poorer outcomes. [provided by RefSeq, May 2017]
UniProt Comments for MUC16	Thought to provide a protective, lubricating barrier against particles and infectious agents at mucosal surfaces.
Research Articles on MUC16	**1.** High CA125 expression is associated with breast, endometrial and ovarian cancers.
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