MUC16 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MUC16, Polyclonal Antibody
Full Product Name	MUC16 Antibody
Product Gene Name	anti-MUC16 antibody
Product Synonym Names	Mucin-16; Ovarian carcinoma antigen CA125; Ovarian cancer-related tumor marker CA125; CA-125; MUC16
Clonality	Polyclonal
Isotype	Rabbit IgG
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	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity	The antibody detects endogenous levels of total MUC16 protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	2,353,428 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (8959520..9092018, complement). Location: 19p13.2
OMIM	606154
3D Structure	ModBase 3D Structure for Q8WXI7
Immunogen	Synthesized peptide derived from internal of human MUC16.
Product Categories/Family for anti-MUC16 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MUC16 antibody	Immunofluorescence (IF)
Application Notes for anti-MUC16 antibody	IF: 1:100~1:500
Related Product Information for anti-MUC16 antibody	Thought to provide a protective, lubricating barrier against particles and infectious agents at mucosal surfaces By similarity.
Product References and Citations for anti-MUC16 antibody	O'Brien T.J., Tumor Biol. 23:154-169 (2002).O'Brien T.J., Tumor Biol. 22:348-366 (2001).Yin B.W.T., J. Biol. Chem. 276:27371-27375 (2001)
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.
Searchable Terms for MUC16 purchase	MBS8587577 is an antibody targeting MUC16. Also known as MUC16 Antibody. Reactive in Human. Host: Rabbit.

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
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; CA-125; Ovarian carcinoma antigen CA125
Protein Family	Mucin
UniProt Gene Name	MUC16
UniProt Synonym Gene Names	CA125; MUC-16; CA-125
UniProt Entry Name	MUC16_HUMAN
NCBI Protein Information	mucin-16; CA-125; MUC-16; CA125 ovarian cancer antigen; ovarian carcinoma antigen CA125; ovarian cancer-related tumor marker CA125
UniProt Comments for MUC16	MUC16: Thought to provide a protective, lubricating barrier against particles and infectious agents at mucosal surfaces. Protein type: Membrane protein, integral; Cell adhesion; Membrane protein, peripheral Chromosomal Location of Human Ortholog: 19p13.2 Cellular Component: extracellular space; extrinsic to membrane; Golgi lumen; integral to membrane; plasma membrane; vesicle Molecular Function: protein binding Biological Process: protein amino acid O-linked glycosylation; cellular protein metabolic process; O-glycan processing; cell adhesion; post-translational protein modification
Research Articles on MUC16	**1.** Both the OC and BT patients had elevated CA-125.
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