

Rabbit anti-Human MUC16 Monoclonal Antibody | anti-MUC16 antibody

MUC16 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30176	Rabbit	Human	Western Blot, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

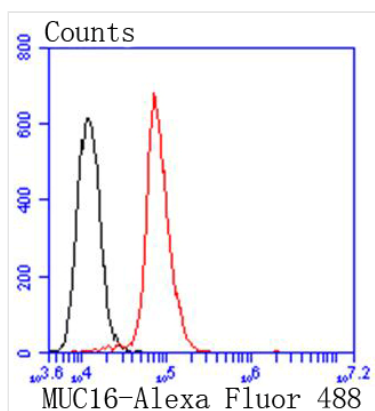
PRODUCT SYNONYMS

MUC16; Monoclonal Antibody; MUC16 Antibody; CA 125 antibody; CA-125 antibody; CA125 antibody; CA125 ovarian cancer antigen antibody; Cancer antigen 125 antibody; FLJ14303 antibody; MUC 16 antibody; MUC-16 antibody; MUC16 antibody; MUC16_HUMAN antibody; Mucin 16 antibody; Mucin 16 cell surface associated antibody; Mucin-16 antibody; Mucin16 antibody; Ovarian cancer related tumor marker CA125 antibody; Ovarian cancer-related tumor marker CA125 antibody; Ovarian carcinoma antigen CA125 antibody; anti-MUC16 antibody

PRODUCT SPECIFICATIONS

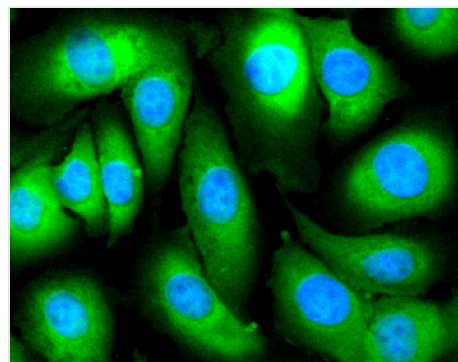
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	SN0715
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Concentration	0.333mg/ml (varies by lot)
Applicable Applications for anti-MUC16 antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:1000 ICC: 1:100-1:500 FC: 1:50-1:100
Immunogen	Recombinant protein
Preparation and Storage	Store at -20°C.

IMAGES



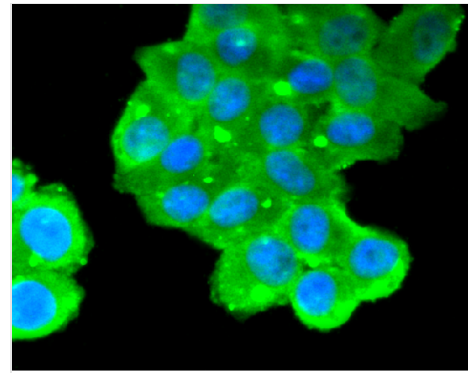
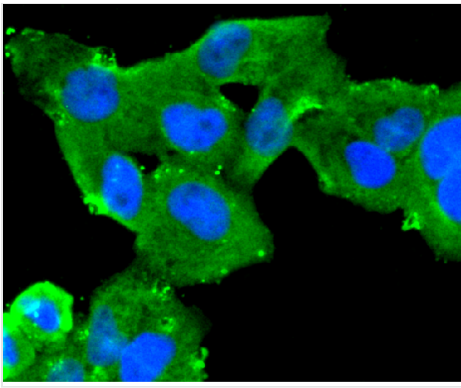
FCM (Flow Cytometry)

Flow cytometric analysis of Hela cells with MUC16 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody



ICC (Immunocytochemistry)

ICC staining MUC16 in SKOV-3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining MUC16 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

ICC (Immunocytochemistry)

ICC staining MUC16 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

ADDITIONAL INFORMATION

Related Product Information for anti-MUC16 antibody

The mucins are a family of highly glycosylated, secreted proteins with a basic structure consisting of a variable number of tandem repeats (VNTRs). Membrane-associated and secretory Mucins are high molecular weight glycoproteins of the glycocalyx (polysaccharide biofilm) that protects mucosal epithelium from particulate matter and microorganisms. Epithelial Mucins are large, secreted and cell surface glycoproteins crucial for adhesion modulation, signaling and epithelial cell protection. The number of repeats is highly polymorphic and varies among different alleles. The Mucin family consists of Mucins 1-4, Mucin 5 (AC and B), Mucins 6-8, Mucins 11-13 and Mucins 15-17. The Mucin 16 protein (also commonly referred to as CA125), encoded for by the gene MUC16, is a very high molecular weight tumor antigen consisting of three domains: a carboxy terminal domain, an extracellular domain and an amino terminal domain. Mucin 16, an ovarian cancer-associated antigen, is used as a marker to monitor the progress of epithelial ovarian cancer. It is a hydrophilic membrane-associated protein that may be involved in vitamin A functions.

Product Categories/Family for anti-MUC16 antibody

[Total protein Ab](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	83367077
NCBI GeneID	94025
NCBI Accession #	NP_078966.2
NCBI GenBank Nucleotide #	NM_024690.2
UniProt Accession #	Q8WXL7; Q6ZQW5; Q96RK2
Molecular Weight	Calculated MW: 2353 kDa
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
NCBI Protein Information	mucin-16; CA-125; MUC-16; CA125 ovarian cancer antigen; ovarian carcinoma antigen CA125; ovarian cancer-related tumor marker CA125
UniProt Protein Name	Mucin-16
UniProt Gene Name	MUC16
UniProt Synonym Gene Names	CA125; MUC-16; CA-125
UniProt Entry Name	MUC16_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/muc16-antibody-clone-sn0715-western-blot-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/30176>