

Recombinant Anti-MUC16 Rabbit mAb

Catalog # AP94970

Product Information

Application	WB, FC, IF/IC
Primary Accession	Q8WXI7
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	1519175

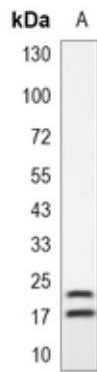
Additional Information

Gene ID	94025
Other Names	CA125; Mucin-16; MUC-16; Ovarian cancer-related tumor marker CA125; CA-125; Ovarian carcinoma antigen CA125
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human MUC16 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

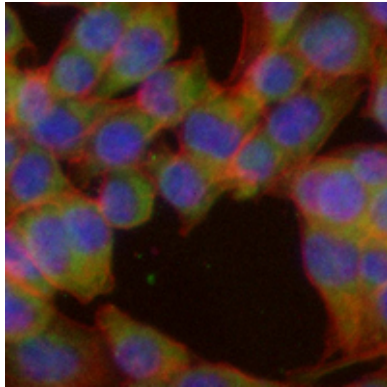
Protein Information

Name	MUC16 (HGNC:15582)
Function	Thought to provide a protective, lubricating barrier against particles and infectious agents at mucosal surfaces.
Cellular Location	Cell membrane; Single-pass type I membrane protein. Secreted, extracellular space. Note=May be liberated into the extracellular space following the phosphorylation of the intracellular C-terminus which induces the proteolytic cleavage and liberation of the extracellular domain
Tissue Location	Expressed in corneal and conjunctival epithelia (at protein level). Overexpressed in ovarian carcinomas and ovarian low malignant potential (LMP) tumors as compared to the expression in normal ovarian tissue and ovarian adenomas

Images



Western blot analysis of MUC16 expression in human ovary cancer (A) whole cell lysates. (Predicted band size: 1519 kD; Observed band size: 1519 kD)



Immunofluorescent analysis of MUC16 staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.