

产品名称: Mucin 16 Rabbit Polyclonal Antibody
产品货号: APRab14240



产品概述 (Summary)

产品名称 (Production Name)	Mucin 16 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	MUC16
别名 (Alternative Names)	MUC16; CA125; Mucin-16; MUC-16; Ovarian cancer-related tumor marker CA125; CA-125; Ovarian carcinoma antigen CA125
基因 ID (Gene ID)	94025.0
蛋白 ID (SwissProt ID)	Q8WXI7.The antiserum was produced against synthesized peptide derived from human MUC16. AA range:13311-13360

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:50-1:300
蛋白分子量 (Molecular Weight)	

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研究背景 (Background)

domain:Composed of three domains, a Ser-, Thr-rich N-terminal domain, a repeated domain containing more than 60 partially conserved tandem repeats of 156 amino acids each (AAs 12061-21862) and a C-terminal transmembrane domain with a short cytoplasmic tail.,function:Thought to provide a protective, lubricating barrier against particles and infectious agents at mucosal surfaces.,induction:Up-regulated in ovarian cancer cells.,miscellaneous:Antigen that is the basis for a widely used serum assay for the monitoring of patients with ovarian epithelial cancer. Due to lack of sensitivity for stage I disease and lack of specificity, it is of little value in the detection of early ovarian cancer. Due to its similarly elevated levels in some nonmalignant conditions, it is not specific enough to be used for population screening.,polymorphism:The number of repeats is highly polymorphic.,PTM:Heavily N-glycosylated; expresses primarily high mannose and complex bisecting type N-linked glycans.,PTM:Heavily O-glycosylated; expresses both type 1 and type 2 core glycans.,PTM:May be phosphorylated. Phosphorylation of the intracellular C-terminal domain may induce proteolytic cleavage and the liberation of the extracellular domain into the extracellular space.,PTM:May contain numerous disulfide bridges. Association of several molecules of the secreted form may occur through interchain disulfide bridges providing an extraordinarily large gel-like matrix in the extracellular space or in the lumen of secretory ducts.,similarity:Contains 14 LRR (leucine-rich) repeats.,similarity:Contains 2 ANK repeats.,similarity:Contains 56 SEA domains.,subcellular location: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.,subunit:Binds to MSLN. Binding to MSLN mediates heterotypic cell adhesion. This may contribute to the metastasis of ovarian cancer to the peritoneum by initiating cell attachment to the mesothelial epithelium via binding to MSLN.,tissue specificity: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.,domain:Composed of three domains, a Ser-, Thr-rich N-terminal domain, a repeated domain containing more than 60 partially conserved tandem repeats of 156 amino acids each (AAs 12061-21862) and a C-terminal transmembrane domain with a short cytoplasmic tail.,function:Thought to provide a protective, lubricating barrier against particles and infectious agents at mucosal surfaces.,induction:Up-regulated in ovarian cancer cells.,miscellaneous:Antigen that is the basis for a widely used serum assay for the monitoring of patients with ovarian epithelial cancer. Due to lack of sensitivity for stage I disease and lack of specificity, it is of little value in the detection of early ovarian cancer. Due to its similarly elevated levels in some nonmalignant conditions, it is not specific enough to be used for population screening.,polymorphism:The number of repeats is highly polymorphic.,PTM:Heavily N-glycosylated; expresses primarily high mannose and complex bisecting type N-linked glycans.,PTM:Heavily O-glycosylated; expresses both type 1 and type 2 core glycans.,PTM:May be phosphorylated. Phosphorylation of the intracellular C-terminal domain may induce proteolytic cleavage and the liberation of the extracellular domain into the extracellular space.,PTM:May contain numerous disulfide bridges. Association of several molecules of the secreted form may occur through interchain disulfide bridges providing an extraordinarily large gel-like matrix in the extracellular space or in the lumen of secretory ducts.,similarity:Contains 14 LRR (leucine-rich) repeats.,similarity:Contains 2 ANK repeats.,similarity:Contains 56 SEA domains.,subcellular location:May be liberated into the extracellular space following the phosphorylation of the intracellular C-terminus which induces the proteolytic cleavage

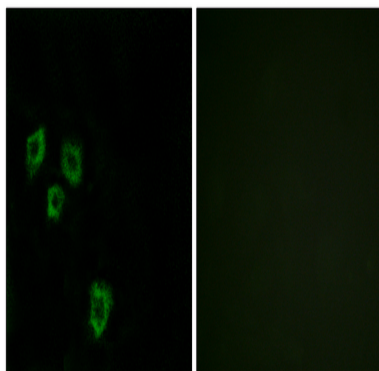
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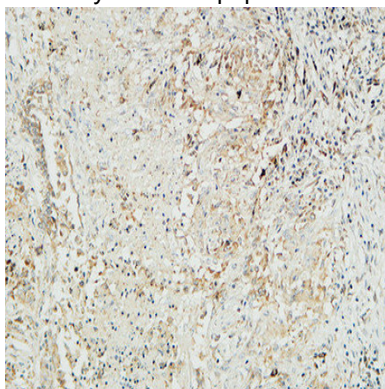
and liberation of the extracellular domain.,subunit: Binds to MSLN. Binding to MSLN mediates heterotypic cell adhesion. This may contribute to the metastasis of ovarian cancer to the peritoneum by initiating cell attachment to the mesothelial epithelium via binding to MSLN.,tissue specificity: Expressed 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.,

研究领域 (Research Area)

图片 (Image Data)

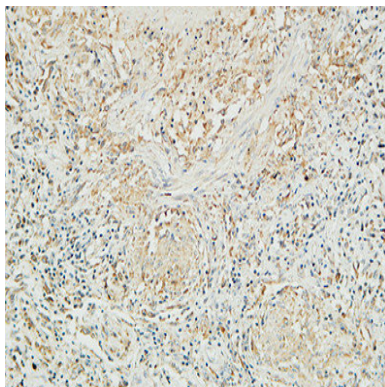


Immunofluorescence analysis of HepG2 cells, using MUC16 Antibody. The picture on the right is blocked with the synthesized peptide.

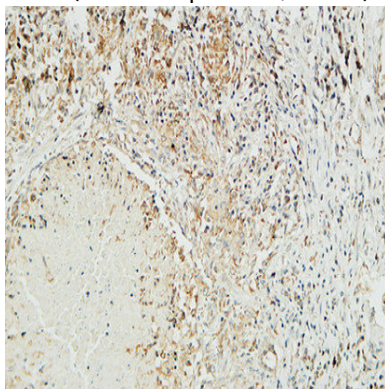


Immunohistochemical analysis of paraffin-embedded Human lung. 1, Antibody was diluted at 1:100 (4°, overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 30min) .

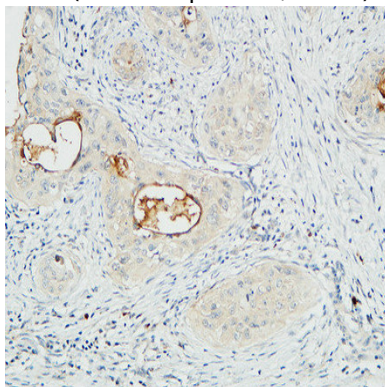
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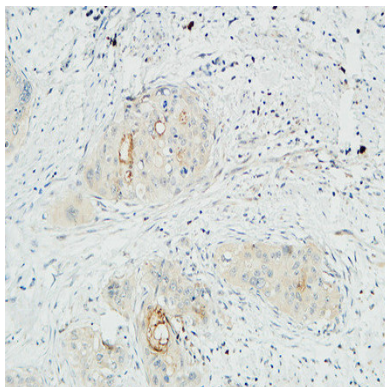


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Immunohistochemical analysis of paraffin-embedded Human cervical carcinoma. 1, Antibody was diluted at 1:100 (4°,overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .

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注意事项 (Note)

For research use only .