粘蛋白 12 抗体

产品货号： mlR17903

英文名称： MUC12

中文名称： 粘蛋白 12 抗体

别　　名： MUC11; MUC12; Mucin 12; Mucin-12; MUC12_HUMAN.

研究领域： 肿瘤　细胞生物　信号转导　细胞粘附分子

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 556kDa

细胞定位： 细胞膜

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human MUC12:17-200/5478 <Extracellular>

mlbio 酶联生物
Good elisakit producers

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed： PubMed

产品介绍： Membrane-associated and secretory mucins are high molecular weight glycoproteins of the glycocalyx (polysaccharide biofilm) that protects mucosal epithelium from particulate matter and microorganisms. The mucin family consists of Mucins 1-4, Mucin 5 (AC and B), Mucins 6-8, Mucins 11-13 and Mucins 15-17. A family of four related Mucin genes (MUC2, MUC5AC, MUC5B and MUC6) encode the major secreted mucins. Mucin 12 contains a predicted transmembrane domain; two extracellular cysteine-rich EGF-like domains; a coiled-coil region; and a domain consisting of serine-, threonine-, and proline-rich degenerate tandem repeats of 28 amino acids, a structural feature typical of mucins. Mucin 12 transcript (>12 kb) is present in colon, pancreas, prostate and uterus. Colorectal tumors can have low Mucin 12 transcript levels in comparison to normal colon tissues.

Function:

Human MUC12 (Mucin 12) is a novel mucin of epithelial mucins, which are large, secreted or cell surface glycoproteins involved in epithelial cell protection, adhesion modulation, and signaling. Using differential display on RNA from paired normal colonic mucosa and primary colorectal tumor, MUC12 is identified as one of the 2 partial cDNAs representing novel mucin genes as well as MUC11. They are downregulated in colorectal tumors.The deduced MUC12 protein contains a predicted transmembrane domain, 2 extracellular cysteine-rich EGF-like domains, a coiled-coil region, and a domain consisting of serine-, threonine-, and proline-rich degenerate tandem repeats of 28 amino acids, a structural feature typical of mucins. Human MUC12 shares high sequence homology with MUC3 and MUC4 . Northern blot analysis of 50 different normal tissues detected MUC12 expression in colon, pancreas, prostate, and uterus, with highest expression in colon. The MUC12 transcript is large, estimated to be longer than 12 kb. Expression of MUC12 was downregulated or absent in 6 of 15 (40%) colorectal tumors, as compared with matched normal colonic tissues. MUC12 expression was not

detected in any of 6 colorectal cancer cell lines examined.

Subcellular Location:

Cell Membrane

Tissue Specificity:

Ubiquitous, with higher expression in colon. Down-regulated in colorectal cancer as well as in the colon of patients with ulcerative colitis (UC) and Crohn's disease (CD).

Similarity:

Contains 1 EGF-like domain.

Contains 1 SEA domain.

SWISS:

Q9UKN1

Gene ID:

10071

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.