

产品名称: EPCAM Mouse Monoclonal Antibody
产品货号: AMM80849



产品概述 (Summary)

产品名称 (Production Name)	EPCAM Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ELISA
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG1
克隆 (Clonality)	Monoclonal
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)	Purified antibody in PBS with 0.05% sodium azide.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	EPCAM
别名 (Alternative Names)	ESA; KSA; M4S1; MK-1; DIAR5; EGP-2;EGP40; KS1/4; MIC18; TROP1; TACSTD1; EPCAM
基因 ID (Gene ID)	4072.0
蛋白 ID (SwissProt ID)	P16422.Purified recombinant fragment of human EPCAM expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	35kDa

研究背景 (Background)

This gene encodes a carcinoma-associated antigen and is a member of a family that includes at least two type I membrane

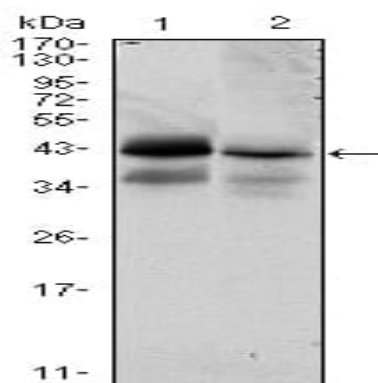
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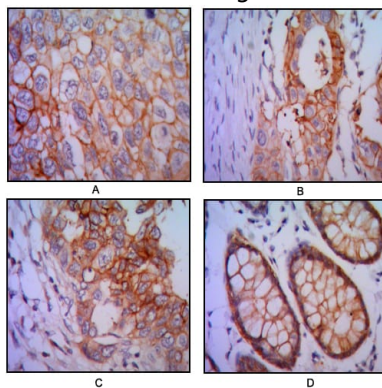
proteins. This antigen is expressed on most normal epithelial cells and gastrointestinal carcinomas and functions as a homotypic calcium-independent cell adhesion molecule. The antigen is being used as a target for immunotherapy treatment of human carcinomas. Mutations in this gene result in congenital tufting enteropathy. Tissue specificity: This protein is expressed in almost all epithelial cell membranes but not on mesodermal or neural cell membranes. Found on the surface of adenocarcinomas. ABCAM: Epithelial Cell Adhesion Molecule (EpCAM) is a 40 kDa cell surface antigen. This antigen has been identified independently by a number of groups, and has been known by a variety of names. Several monoclonal antibodies have been raised against EpCAM, many of which have been described as tumour specific molecules on carcinomas. EpCAM is a Type 1 transmembrane glycoprotein. It is expressed on the basolateral membrane of cells by the majority of epithelial tissues, with the exception of adult squamous epithelium and some specific epithelial cell types including hepatocytes and gastric epithelial cells. EpCAM expression has been reported to be a possible marker of early malignancy, with expression being increased in tumour cells, and de novo expression being seen in dysplastic squamous epithelium. BIOLEGEND: This cell surface, glycosylated 40kD protein is highly expressed in the bone marrow, colon, lung, and most normal epithelial cells and is expressed on carcinomas of gastrointestinal origin.

研究领域 (Research Area)

图片 (Image Data)



Western blot analysis using EPCAM mouse mAb against HTC116 (1) and T47D (2) cell lysate.



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Immunohistochemical analysis of paraffin-embedded human lung cancer (A), colon cancer (B), breast cancer (C) and rectal cancer(D), using EPCAM mouse mAb with DAB staining.

注意事项 (Note)

For research use only .