

Anti-EpCAM Antibody

Mouse Anti Human Monoclonal Antibody

Catalog # AP53386

Product Information

Application	WB, IP
Primary Accession	P16422
Other Accession	NM_002354
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Immunogen	Purified recombinant EpCAM protein fragments expressed in E.coli.
Purification	Affinity purified
Calculated MW	34932

Additional Information

Gene ID	4072
Other Names	17 1A; 323/A3; Adenocarcinoma associated antigen; Adenocarcinoma-associated antigen; Antigen identified by monoclonal antibody AUA1; AUA1; CD326; CD326 antigen; Cell surface glycoprotein Trop 1; Cell surface glycoprotein Trop 2; Cell surface glycoprotein Trop-1; CO 17A; CO17 1A; CO17A; DIAR5; EGP 2; EGP; EGP2; EGP314; EGP40; Ep CAM; Ep-CAM; EPCAM; EPCAM_HUMAN; Epithelial cell adhesion molecule; Epithelial Cell Adhesion Molecule Intracellular Domain (EpCAM-ICD); Epithelial cell surface antigen; Epithelial cellular adhesion molecule; Epithelial glycoprotein 1; Epithelial glycoprotein 314; Epithelial glycoprotein; ESA; GA733 1; GA733 2; GA733-2; gastrointestinal tumor-associated antigen 2, 35-KD glycoprotein; hEGP 2; hEGP314; HNPCC8; Human epithelial glycoprotein 2; KS 1/4 antigen; KS1/4; KSA; Lymphocyte antigen 74; M1S 1; M1S2; M4S1; Major gastrointestinal tumor associated protein GA733 2; Major gastrointestinal tumor-associated protein GA733-2; Membrane component chromosome 4 surface marker (35kD glycoprotein); Membrane component, chromosome 4, surface marker 1; Membrane component, chromosome 4, surface marker; MIC18; MK 1; TACD1; TACSTD1; TROP1; Tumor associated calcium signal transducer 1; Tumor associated calcium signal transducer 2 precursor; Tumor-associated calcium signal transducer 1.
Dilution	WB~~1:1000 IP~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

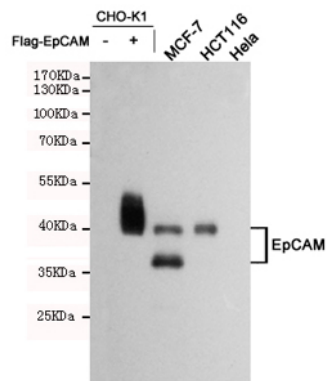
Protein Information

Name	EPCAM
Synonyms	GA733-2, M1S2, M4S1, MIC18, TACSTD1, TRO
Function	May act as a physical homophilic interaction molecule between intestinal epithelial cells (IECs) and intraepithelial lymphocytes (IELs) at the mucosal epithelium for providing immunological barrier as a first line of defense against mucosal infection. Plays a role in embryonic stem cells proliferation and differentiation. Up-regulates the expression of FABP5, MYC and cyclins A and E.
Cellular Location	Lateral cell membrane; Single-pass type I membrane protein. Cell junction, tight junction. Note=Colocalizes with CLDN7 at the lateral cell membrane and tight junction
Tissue Location	Highly and selectively expressed by undifferentiated rather than differentiated embryonic stem cells (ESC) Levels rapidly diminish as soon as ESC's differentiate (at protein levels). Expressed in almost all epithelial cell membranes but not on mesodermal or neural cell membranes. Found on the surface of adenocarcinoma.

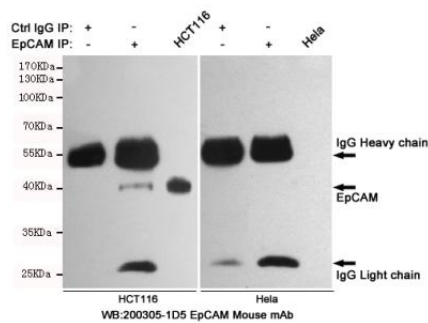
Background

May act as a physical homophilic interaction molecule between intestinal epithelial cells (IECs) and intraepithelial lymphocytes (IELs) at the mucosal epithelium for providing immunological barrier as a first line of defense against mucosal infection. Pla

Images



Western blot analysis of extracts from CHO-K1,CHO-K1 transfected by Flag-EpCAM, MCF7(EpCAM positive),HCT116(EpCAM positive),and HeLa(EpCAM negative) cell lysates using EpCAM mouse mAb (1:1000 diluted).Predicted band size:39KDa.Observed band size:39/35KDa.



Immunoprecipitation analysis of HCT116 and HeLa cell lysates using EpCAM.

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