

Anti-EP-CAM Antibody

Catalog # ABV11974

Product Information

Application	WB, IHC, E
Primary Accession	P16422
Reactivity	Human
Host	Rabbit
Isotype	Rabbit IgG
Calculated MW	34932

Additional Information

Gene ID	4072
Positive Control	WB: 3T3 lysate
Application & Usage	WB 1:500-1:2000; E 1:5000-1:20000; IHC 1:100-1:300
Other Names	CD326, EPCAM; GA733-2; M1S2; M4S1; MIC18; TACSTD1; TROP1; Epithelial cell adhesion molecule; Ep-CAM; Adenocarcinoma-associated antigen; Cell surface glycoprotein Trop-1; Epithelial cell surface antigen; Epithelial glycoprotein; EGP; Epithelial gly
Target/Specificity	EPCAM
Antibody Form	Liquid
Appearance	Colorless liquid
Handling	The antibody solution should be gently mixed before use
Reconstitution & Storage	-20°C
Background Descriptions	
Precautions	Anti-EP-CAM Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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.

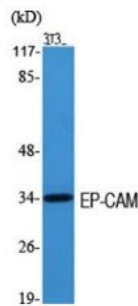
Cellular Location

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.

Images



WB (WB) analysis of 3T3 cells using EP-CAM Polyclonal Antibody.

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