



Ep-CAM antibody

Mouse Monoclonal Antibody (Mab)
Catalog # AD80531

Specification

Ep-CAM antibody - Product info

Application IHC
Primary Accession P16422
Reactivity Human
Host Mouse
Clonality Monoclonal
Calculated MW 34932 Da

Ep-CAM antibody - Additional info

Gene ID **4072**

Other Names

Epithelial cell adhesion molecule, Ep-CAM, Adenocarcinoma-associated antigen, Cell surface glycoprotein Trop-1, Epithelial cell surface antigen, Epithelial glycoprotein, EGP, Epithelial glycoprotein 314, EGP314, hEGP314, KS 1/4 antigen, KSA, Major gastrointestinal tumor-associated protein GA733-2, Tumor-associated calcium signal transducer 1, CD326, EPCAM, GA733-2, M1S2, M4S1, MIC18, TACSTD1, TROP1

Dilution

IHC~~1:100~500

Storage

Maintain refrigerated at 2-8°C

Precautions Ep-CAM antibody is for research use only

and not for use in diagnostic or

therapeutic procedures.

Ep-CAM antibody - Protein Information

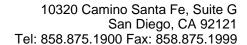
Name EPCAM

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





Cellular Location

Tissue Location

and E.

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

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.

Ep-CAM antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Ep-CAM antibody - Images