

EpCAM Antibody

Rabbit mAb Catalog # AP90759

Specification

EpCAM Antibody - Product Information

Application WB, IHC
Primary Accession P16422
Clonality Monoclonal

Other Names

Epithelial cell adhesion molecule; Ep-CAM; CO17A; CD326; Cell surface glycoprotein Trop-1; EGP;

Epithelial glycoprotein 314; EGP314; hEGP314; KS 1/4 antigen; KSA;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 34932 Da

EpCAM Antibody - Additional Information

Dilution WB~~1:1000

IHC~~1:100~500

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human

EpCAM

Description Epithelial cell adhesion and activating

molecule (EpCAM/CD326) is a transmembrane glycoprotein that

mediates Ca2+ independent, homophilic adhesions on the basolateral surface of most epithelial cells. The antigen is being used as a target for immunotherapy

treatment of human carcinomas.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline ,

pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid

freeze / thaw cycle.

EpCAM 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 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

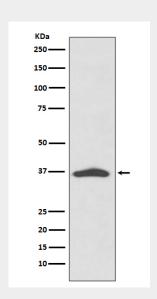
Highly and selectively expressed by undifferentiated rather than differentiated embryonic stem cells (ESC) Levels rapidly diminish as soon as ESC's differentiate (at protein levels). Expressed in almost all epithelial cell membranes but not on mesodermal or neural cell membranes. Found on the surface of adenocarcinoma.

EpCAM Antibody - Protocols

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

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

EpCAM Antibody - Images



Western blot analysis of EpCAM expression in A431 cell lysate.