

Anti-Ep-CAM / CD326 Antibody

Rabbit Polyclonal Antibody Catalog # AH13385

Specification

Anti-Ep-CAM / CD326 Antibody - Product Information

Application Primary Accession Other Accession Reactivity Host Clonality

Isotype

Rabbit / IgG, kappa Calculated MW 34932

Anti-Ep-CAM / CD326 Antibody - Additional Information

Gene ID 4072

Other Names

Adenocarcinoma-associated Antigen; Cell Surface Glycoprotein Trop-1; EGP2; EGP314; EGP40; Epithelial Cell Adhesion Molecule; Epithelial Glycoprotein 314; ESA; KSA; TACD1; TACSTD1; TROP1; Tumor-associated Calcium Signal Transducer 1, ECS-1, Epidermal Surface Antigen 1, ESA1, FLOT2, Flotillin-2, M17S1 (Membrane Component, Chromosome 17, Surface Marker-1), REG-1, Reggie-1, Reggie-2

WB, IHC-P, IF, FC

P16422

542050

Rabbit

Human, Rat

Polyclonal

Application Note

- WB~~1:1000<br \><span class</pre>
- ="dilution IHC-P">IHC-P~~N/A<br \><span class
- ="dilution IF">IF \sim 1:50 \sim 200

span class ="dilution FC">FC \sim 1:10 \sim 50

Format

200ug/ml of Ab purified by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage

Store at 2 to 8°C. Antibody is stable for 24 months.

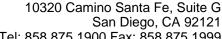
Precautions

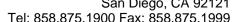
Anti-Ep-CAM / CD326 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-Ep-CAM / CD326 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

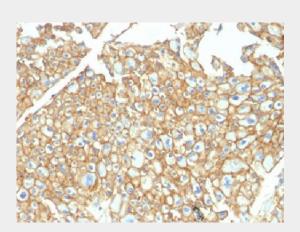
Highly and selectively expressed by undifferentiated rather than differentiated embryonic stem cells (ESC) Levels rapidly diminish as soon as ESC's differentiate (at protein levels). Expressed in almost all epithelial cell membranes but not on mesodermal or neural cell membranes. Found on the surface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

Anti-Ep-CAM / CD326 Antibody - Protocols

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

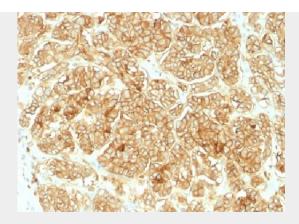
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Ep-CAM / CD326 Antibody - Images



Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with Ep-CAM Rabbit Polyclonal Antibody.





Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with Ep-CAM Rabbit Polyclonal Antibody.

Anti-Ep-CAM / CD326 Antibody - Background

EGP40 is a 40-43kDa transmembrane epithelial glycoprotein, also identified as epithelial specific antigen (ESA), or epithelial cellular adhesion molecule (Ep-CAM). It is expressed on baso-lateral cell surface in most simple epithelia and a vast majority of carcinomas with the exception of adult squamous epithelium, hepatocytes and gastric epithelial cells. Ep-CAM antibody has been used to distinguish adenocarcinoma from pleural mesothelioma and hepatocellular carcinoma. Ep-CAM antibody is also useful in distinguishing serous carcinomas of the ovary from mesothelioma.