10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

EPCAM Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI16102

Specification

EPCAM Antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	P16422
Other Accession	NP_002345
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**34kDa KDa**

EPCAM Antibody - N-terminal region - Additional Information

Gene ID 4072

Alias Symbol	**EPCAM, GA733-2, M1S2, M4S1, MIC18, TACSTD1, TROP1,**

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

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 &mu, l of distilled water. Final Anti-EPCAM antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions
EPCAM Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

EPCAM Antibody - N-terminal region - 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

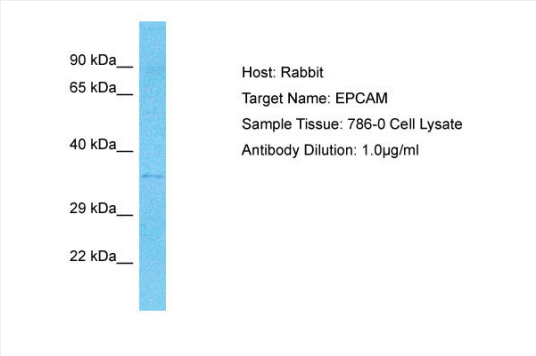
Tissue Location
Highly and selectively expressed by undifferentiated rather than differentiated embryonic stem cells (ESC) Levels rapidly diminish as soon as ESC's differentiate (at protein levels). Expressed in almost all epithelial cell membranes but not on mesodermal or neural cell membranes. Found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

EPCAM Antibody - N-terminal region - 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

EPCAM Antibody - N-terminal region - Images



Host: Rabbit
Target Name: EPCAM
Sample Tissue: 786-0 Whole cell lysate
s
Antibody Dilution: 1.0µg/ml

EPCAM Antibody - N-terminal region - 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. Plays a role in embryonic stem cells proliferation and differentiation. Up-regulates the expression of FABP5, MYC and cyclins A and E.

EPCAM Antibody - N-terminal region - References

Strnad J.,et al.Cancer Res. 49:314-317(1989).

Perez M.S.,et al.J. Immunol. 142:3662-3667(1989).
Simon B.,et al.Proc. Natl. Acad. Sci. U.S.A. 87:2755-2759(1990).
Szala S.,et al.Proc. Natl. Acad. Sci. U.S.A. 87:3542-3546(1990).
Linnenbach A.J.,et al.Mol. Cell. Biol. 13:1507-1515(1993).