

EPCAM Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20935c**Specification**

EPCAM Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P16422
Other Accession	Q75QW1 , Q3T0L5
Reactivity	Human
Predicted	Bovine, Pig
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	34932

EPCAM Antibody (C-term) - Additional Information**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

Target/Specificity

This EPCAM antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 299-334 amino acids from the C-terminal region of human EPCAM.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

EPCAM Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

EPCAM Antibody (C-term) - 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

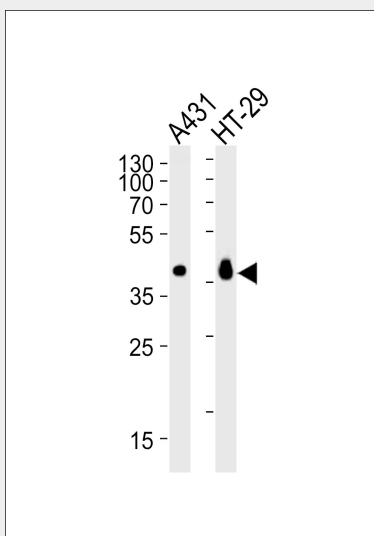
Highly and selectively expressed by undifferentiated rather than differentiated embryonic stem cells (ESC) Levels rapidly diminish as soon as ESC's differentiate (at protein levels). Expressed in almost all epithelial cell membranes but not on mesodermal or neural cell membranes. Found on the surface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

EPCAM Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

EPCAM Antibody (C-term) - Images



Western blot analysis of lysates from A431, HT-29 cell line (from left to right), using EPCAM Antibody (C-term)(Cat. #AP20935c). AP20935c was diluted at 1:1000 at each lane. A goat

anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

EPCAM Antibody (C-term) - 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 (C-term) - 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).