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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
E~~Use at an assay dependent concentration.

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

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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

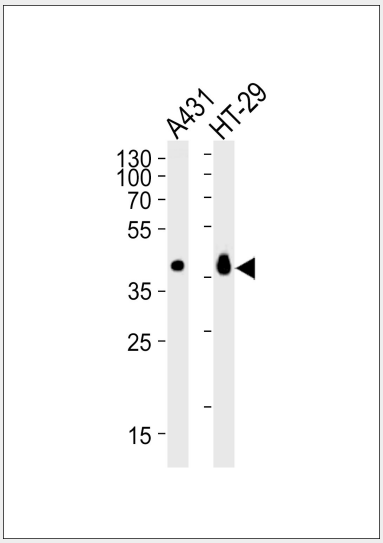
Tissue Location
Highly and selectively expressed by undifferentiated rather than differentiated embryonic stem cells (ESC) Levels rapidly diminish as soon as ESC's differentiate (at protein levels). Expressed in almost all epithelial cell membranes but not on mesodermal or neural cell membranes. Found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

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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).