

## EPCAM Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20935c-400 □

## Specification

### EPCAM Antibody (C-term) - Product info

Application	WB
Primary Accession	<a href="#">P16422</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Clone Names	RB51643
Calculated MW	34932

### EPCAM Antibody (C-term) - Additional info

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

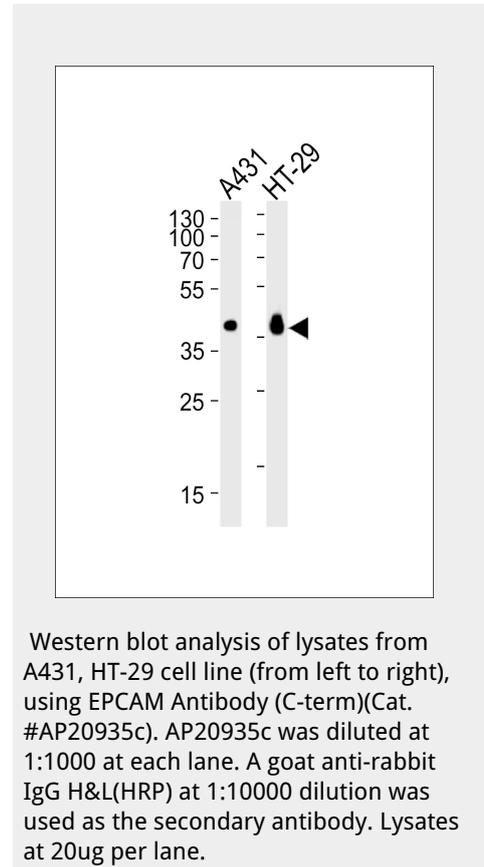
EPCAM Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### 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](#)

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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).