

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

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**EPCAM Antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">P16422</a>
Other Accession	<a href="#">NP_002345</a>
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

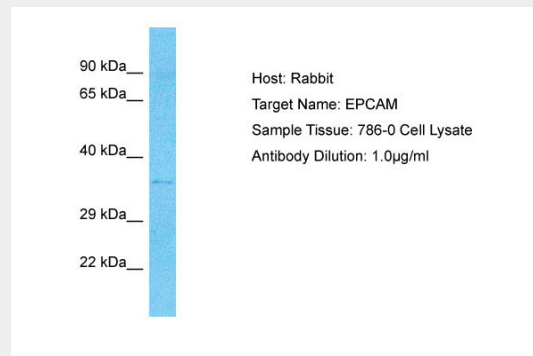
Highly and selectively expressed by undifferentiated rather than differentiated embryonic stem cells (ESC) Levels rapidly diminish as soon as ESC's differentiate (at protein levels). Expressed in almost all epithelial cell membranes but not on mesodermal or neural cell membranes. Found on the surface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

### EPCAM Antibody - N-terminal region - Images



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

### EPCAM Antibody - N-terminal region - Background

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### EPCAM Antibody - N-terminal region - References

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