

**Ber-EP4**  
**Mouse Monoclonal antibody(Mab)**  
**Catalog # AD80315**

## Specification

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### Ber-EP4 - Product info

Application	<b>IHC-P</b>
Primary Accession	<a href="#">P16422</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>

### Ber-EP4 - Additional info

Gene ID	<b>4072</b>
Gene Name	<b>EPCAM</b>

#### 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

#### Dilution

IHC-P~~Ready-to-use

#### Storage

Maintain refrigerated at 2-8°C

#### Precautions

**Ber-EP4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**

### Ber-EP4 - 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**

Cellular Location

and E.

**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

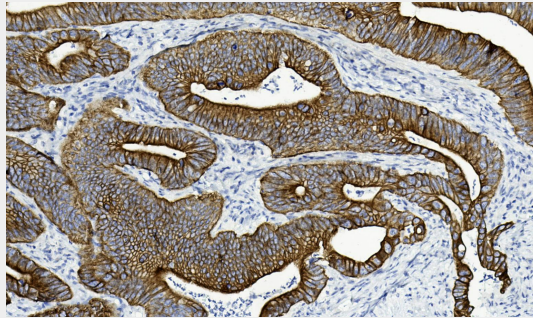
**Highly and selectively expressed by undifferentiated rather than differentiated embryonic stem cells (ESC). Levels rapidly diminish as soon as ESC's differentiate (at protein levels). Expressed in almost all epithelial cell membranes but not on mesodermal or neural cell membranes. Found on the surface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

### **Ber-EP4 - 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](#)

### **Ber-EP4 - Images**



Colon cancer