

**(Mouse) Epcam Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21333b**

**Specification**

---

**(Mouse) Epcam Antibody (C-term) - Product Information**

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">O99JW5</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>35019</b>

**(Mouse) Epcam Antibody (C-term) - Additional Information**

**Gene ID** 17075

**Other Names**

Epithelial cell adhesion molecule, Ep-CAM, Epithelial glycoprotein 314, EGP314, mEGP314, Protein 289A, Tumor-associated calcium signal transducer 1, CD326, Epcam, Tacstd1

**Target/Specificity**

This Mouse Epcam antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 217-251 amino acids from the C-terminal region of Mouse Epcam.

**Dilution**

WB~~1:2000

IHC-P~~1:25

**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**

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

**(Mouse) Epcam Antibody (C-term) - Protein Information**

**Name** Epcam

**Synonyms** Tacstd1

**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 (By similarity).

**Cellular Location**

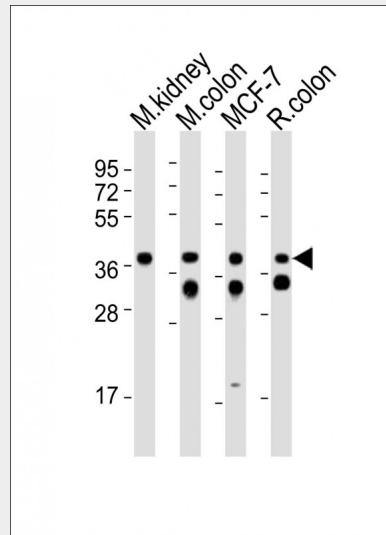
Lateral cell membrane {ECO:0000250|UniProtKB:P16422}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P16422}. Cell junction, tight junction {ECO:0000250|UniProtKB:P16422}. Note=Colocalizes with CLDN7 at the lateral cell membrane and tight junction {ECO:0000250|UniProtKB:P16422}

**(Mouse) Epcam Antibody (C-term) - Protocols**

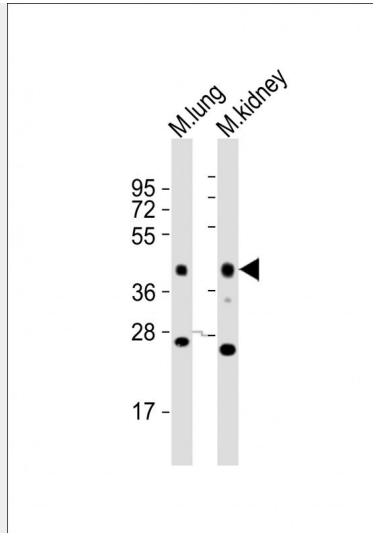
Provided below are standard protocols that you may find useful for product applications.

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

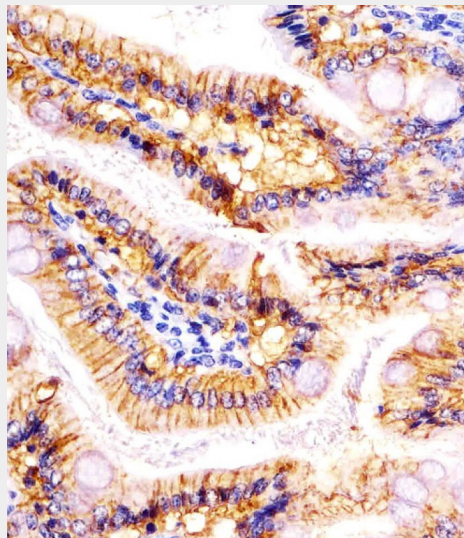
**(Mouse) Epcam Antibody (C-term) - Images**



All lanes : Anti-Epcam Antibody (C-term) at 1:2000 dilution Lane 1: mouse kidney lysates Lane 2: mouse colon lysates Lane 3: MCF-7 whole cell lysates Lane 4: rat colon lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 35 kDa Blocking/Dilution buffer: 5% NFDN/TBST.



All lanes : Anti-Epcam Antibody (C-term) at 1:2000 dilution Lane 1: mouse lung lysates Lane 2: mouse kidney lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 35 kDa Blocking/Dilution buffer: 5% NFDN/TBST.



AP21333b staining (Mouse) Epcam in mouse colon sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

### **(Mouse) 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 (By similarity).

### **(Mouse) Epcam Antibody (C-term) - References**

Bergsagel P.L., et al. J. Immunol. 148:590-596(1992).  
 Carninci P., et al. Science 309:1559-1563(2005).

