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(Mouse) Epcam Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21333b

Specification

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

Application	**WB, IHC-P,E**
Primary Accession	Q99JW5
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**35019**

(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).

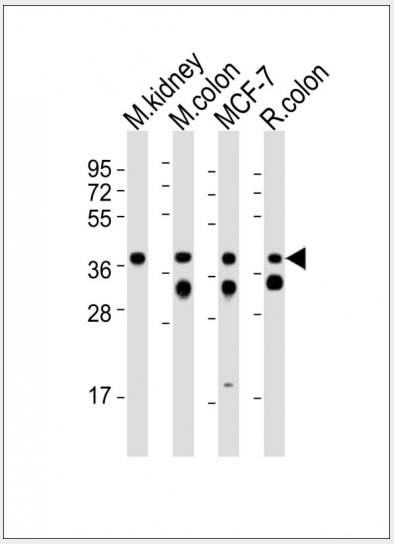
Cellular Location
Lateral cell membrane {ECO:0000250|UniProtKB:P16422}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P16422}. Cell junction, tight junction {ECO:0000250|UniProtKB:P16422}. Note=Colocalizes with CLDN7 at the lateral cell membrane and tight junction {ECO:0000250|UniProtKB:P16422}

(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 Cytomety
- 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% NFDM/TBST.

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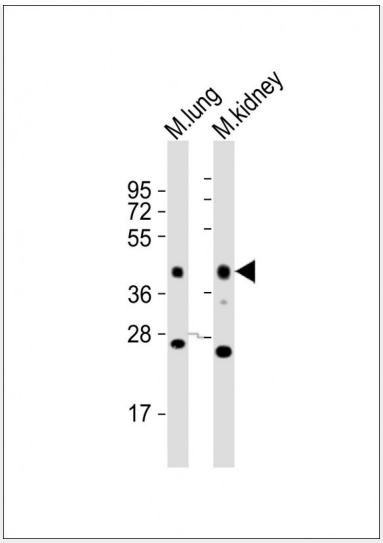
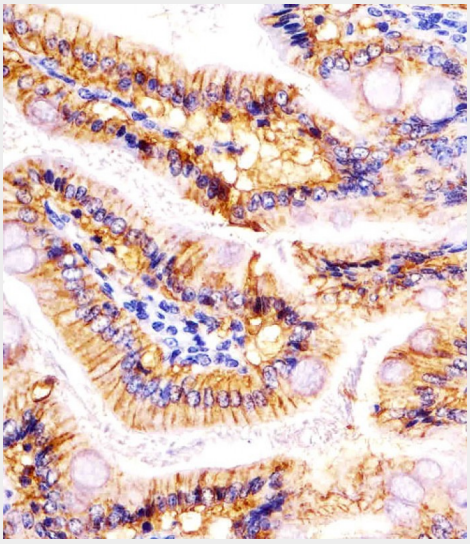


All lanes : Anti-Epcam Antibody (C-term) at 1:2000 dilution Lane 1: mouse lung lysates Lane 2: mouse kidney lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 35 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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).

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