

# (Mouse) Epcam Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21054a

## Product Information

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<b>Application</b>	WB, FC, E
<b>Primary Accession</b>	<a href="#">Q99JW5</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB51264
<b>Calculated MW</b>	35019

## Additional Information

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<b>Gene ID</b>	17075
<b>Other Names</b>	Epithelial cell adhesion molecule, Ep-CAM, Epithelial glycoprotein 314, EGP314, mEGP314, Protein 289A, Tumor-associated calcium signal transducer 1, CD326, Epcam, Tacstd1
<b>Target/Specificity</b>	This Mouse Epcam antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 302-335 amino acids from the C-terminal region of mouse Epcam.
<b>Dilution</b>	WB~~1:1000 FC~~1:25 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	(Mouse) Epcam Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	Epcam
<b>Synonyms</b>	Tacstd1
<b>Function</b>	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}

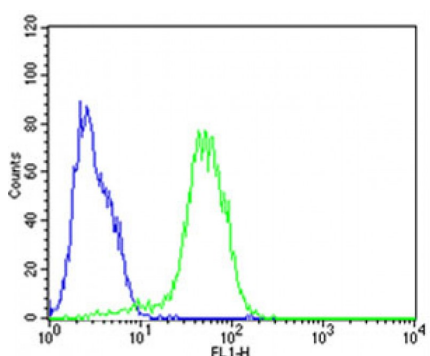
## Background

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).

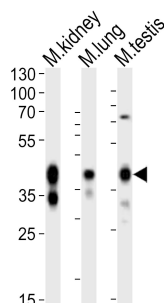
## References

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

## Images



Flow cytometric analysis of HepG2 cells using (Mouse) Epcam Antibody (C-term)(green, Cat#AP21054a) compared to an isotype control of rabbit IgG(blue). AP21054a was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody.



Western blot analysis of lysates from mouse kidney, mouse lung, mouse testis tissue lysate (from left to right), using Epcam Antibody (C-term)(Cat. #AP21054a). AP21054a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

## Citations

- [Extracellular Vesicles Enriched with Moonlighting Metalloproteinase Are Highly Transmissive, Pro-Tumorigenic, and Trans-Activates Cellular Communication Network Factor \( \) : CRISPR against Cancer](#)



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.