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(Mouse) Epcam Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5495

Product Information

Application	FC, WB
Primary Accession	Q99JW5
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35019
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	17075
Antigen Region	302-335
Other Names	Epithelial cell adhesion molecule, Ep-CAM, Epithelial glycoprotein 314, EGP314, mEGP314, Protein 289A, Tumor-associated calcium signal transducer 1, CD326, Epcam, Tacstd1
Dilution	FC~~1:25 WB~~1:1000
Target/Specificity	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.
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.

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}

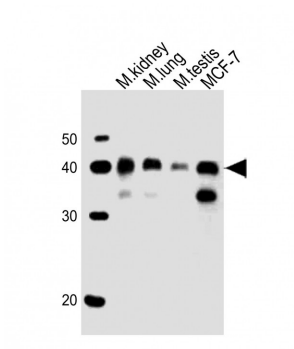
Background

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).

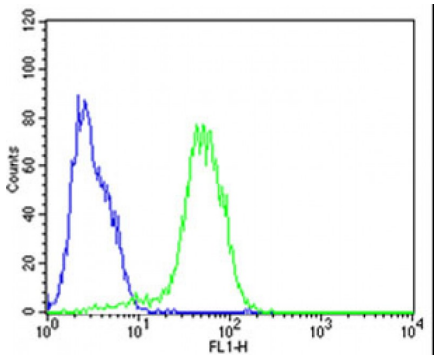
References

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

Images



All lanes : Anti-Epcam Antibody (C-term) at 1:1000 dilution Lane 1: mouse kidney lysates Lane 2: mouse lung lysates Lane 3: mouse testis lysates Lane 4: MCF-7 whole cell 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.



Flow cytometric analysis of HepG2 cells using (Mouse) Epcam Antibody (C-term)(green, Cat#AW5495) compared to an isotype control of rabbit IgG(blue). AW5495 was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit lgG at 1:400 dilution was used as the secondary antibody.