Datasheet for ABIN6242230

anti-EpCAM antibody (C-Term)

4 Images

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Overview

Quantity:	400 µL
Target:	EpCAM (EPCAM)
Binding Specificity:	AA 302-335, C-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EpCAM antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	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.
Clone:	RB51263
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	EpCAM (EPCAM)

Target Details

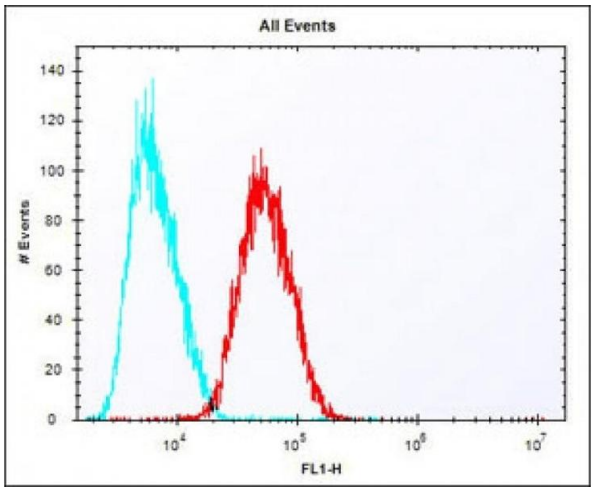
Alternative Name:	Epcam (EPCAM Products)
Background:	May act as a physical homophilic interaction molecule between intestinal epithelial cells (IECs) and intraepithelial lymphocytes (IELs) at the mucosal epithelium for providing immunological barrier as a first line of defense against mucosal infection. Plays a role in embryonic stem cells proliferation and differentiation. Up-regulates the expression of FABP5, MYC and cyclins A and E (By similarity).
Molecular Weight:	35019
UniProt:	Q99JW5

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:25. IHC-P: 1:25. FC: 1:25
Restrictions:	For Research Use only

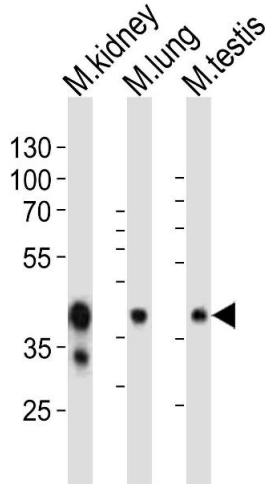
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months



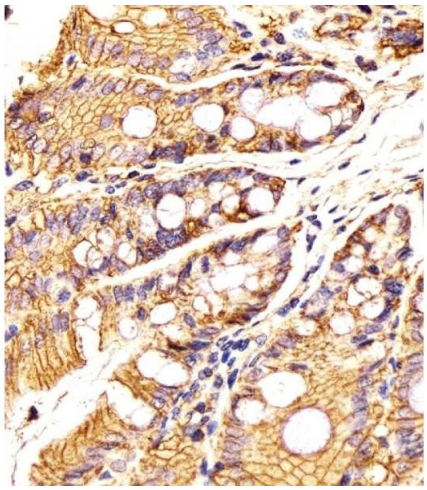
Flow Cytometry

Image 1. Overlay histogram showing HepG2 cells stained with (ABIN6242230 and ABIN6577881) (red line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then icubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN6242230 and ABIN6577881), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) (1583138) at 1/400 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.



Western Blotting

Image 2. Western blot analysis of lysates from mouse kidney, mouse lung, mouse testis tissue lysate (from left to right), using Epcam Antibody (C-term) (ABIN6242230 and ABIN6577881). (ABIN6242230 and ABIN6577881) 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 20 µg per lane.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. (ABIN6242230 and ABIN6577881) staining Epcam in Mouse colon tissue 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 (pH 6). 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.

Images

Please check the product details page for more images. Overall 4 images are available for ABIN6242230.