Leader in Biomolecular Solutions for Life Science

CD326/EpCAM Rabbit mAb

Catalog No.: A25344

Recombinant | 2 Publications

www.abclonal.com

Basic Information

Observed MW
35-40 kDa

Calculated MW
35 kDa

Category
Monoclonal Antibodies

Applications
WB, IF-F, IF-P, IHC-P, mIHC, ELISA

Cross Reactivity
Human, Mouse, Rat

Clone No.
ARC65853

Background

Predicted to enable cadherin binding activity involved in cell-cell adhesion. Acts upstream of or within ureteric bud development. Located in cell surface. Is expressed in several structures, including alimentary system; central nervous system; genitourinary system; respiratory system; and sensory organ. Used to study congenital diarrhea 5 with tufting enteropathy. Human ortholog (s) of this gene implicated in congenital diarrhea 5 with tufting enteropathy and hereditary nonpolyposis colorectal cancer type 8. Orthologous to human EPCAM (epithelial cell adhesion molecule).

Recommended Dilutions

WB	1:3000 - 1:12000
IF-F	1:200 - 1:800
IF-P	1:200 - 1:2000
IHC-P	1:800 - 1:3200
mIHC	1:500 - 1:2000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.,

Immunogen Information

Gene ID
17075

Swiss-Prot
Q99JW5

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
EGP; Ly74; gp40; CD326; EGP-2; TROP1; Egp314; Ep-CAM; EpCAM1; Tacsd1; GA733-2; Tacstd1

Contact

400-999-6126
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Product Information

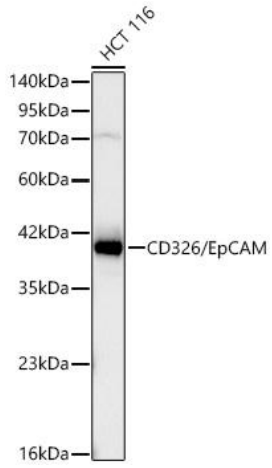
Source
Rabbit

Isotype
IgG

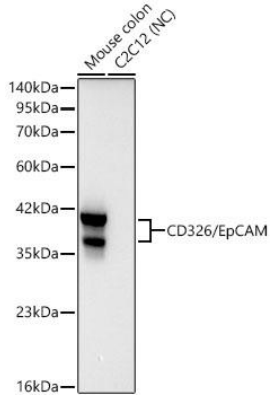
Purity
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

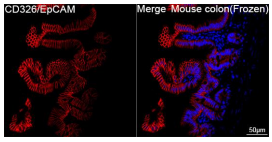
Validation Data



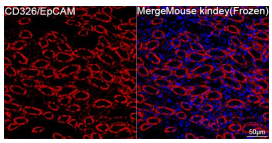
Western blot analysis of lysates from HCT 116 cells using CD326/EpCAM Rabbit mAb (A25344) at 1:3000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45 s.



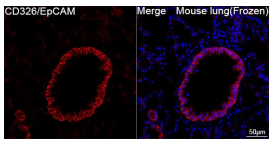
Western blot analysis of various lysates using CD326/EpCAM Rabbit mAb (A25344) at 1:3000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): C2C12.
Exposure time: 20 s.



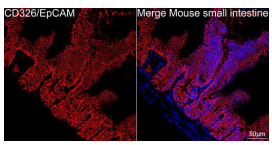
Confocal imaging of frozen sections of Mouse colon tissue using CD326/EpCAM Rabbit mAb (A25344, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Confocal imaging of frozen sections of Mouse kidney tissue using CD326/EpCAM Rabbit mAb (A25344, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

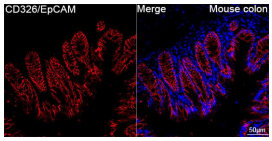


Confocal imaging of frozen sections of Mouse lung tissue using CD326/EpCAM Rabbit mAb (A25344, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

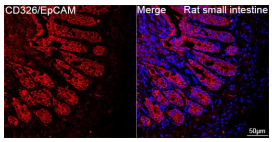


Confocal imaging of paraffin-embedded Mouse small intestine tissue using CD326 /EpCAM Rabbit mAb (A25344, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining. Objective: 40x.

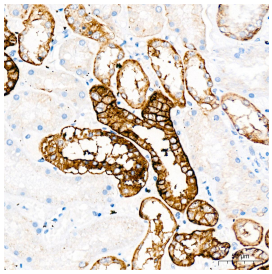
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Please visit http://abclonal.com for a complete listing of recommended products.



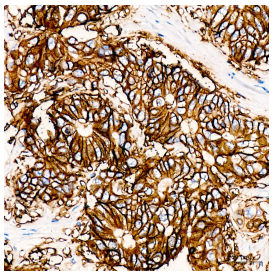
Confocal imaging of paraffin-embedded Mouse colon tissue using CD326/EpCAM Rabbit mAb (A25344, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



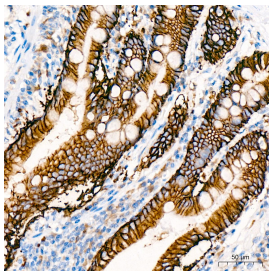
Confocal imaging of paraffin-embedded Rat small intestine tissue using CD326 /EpCAM Rabbit mAb (A25344, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



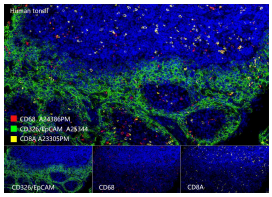
Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using CD326/EpCAM Rabbit mAb (A25344) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using CD326/EpCAM Rabbit mAb (A25344) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human small intestine tissue using CD326/EpCAM Rabbit mAb (A25344) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



The multiplex IHC analysis on paraffin-embedded Human tonsil tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : CD326/EpCAM Rabbit mAb (A25344, 1:1000) with TSA-TYR-520 (Green), and CD68 Rabbit PolymAb® (A24386PM, 1:10000) with TSA-TYR-570 (Red), and CD8A Rabbit PolymAb® (A23305PM, 1:1000) with TSA-TYR-690 (Yellow). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.