

CD146 Rabbit mAb

Catalog NO.: A24343 **Recombinant** **1 Publications**

Basic Information

Observed MW

100kDa,110kDa,120kDa

Calculated MW

71kDa

Category

Monoclonal Antibodies

Applications

WB, IF-F, IF-P, IHC-P, FC, ELISA

Cross-Reactivity

Human, Mouse, Rat

Conjugation

Unconjugated

Clone number

ARC62356

Background

Predicted to be involved in angiogenesis and positive regulation of cell migration. Predicted to act upstream of or within heterophilic cell-cell adhesion via plasma membrane cell adhesion molecules. Predicted to be located in external side of plasma membrane; extracellular space; and nucleus. Predicted to be active in plasma membrane. Is expressed in several structures, including adipose tissue; genitourinary system; gut; nervous system; and respiratory system. Orthologous to human MCAM (melanoma cell adhesion molecule).

Recommended Dilutions

WB	1:500 - 1:1000
IF-F	1:200 - 1:400
IF-P	1:100 - 1:400
IHC-P	1:50 - 1:200
FC	1:50 - 1:200

ELISA

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Contact

Immunogen Information

Gene ID

84004

Swiss Prot

Q8R2Y2

Immunogen

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

Synonyms

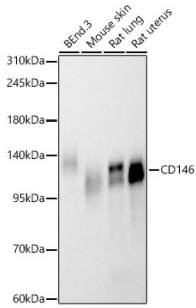
CD146; CD149; Muc18; s-endo; 1-gicerin; s-gicerin

Product Information

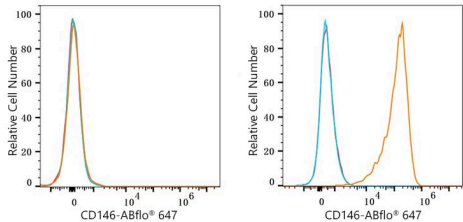
☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage Store at -20°C. 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.		

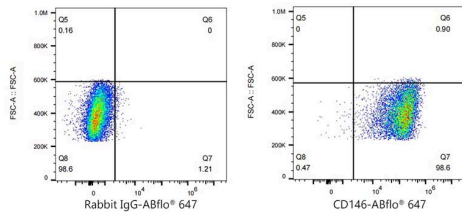
Validation Data



Western blot analysis of various lysates, using CD146 Rabbit mAb (A24343) at 1:1000 dilution.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 60s.

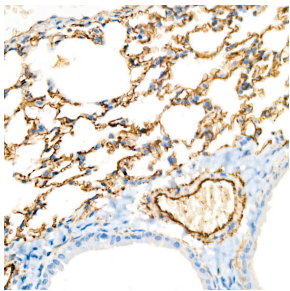


Flow cytometry:1X10⁶ CTLL-2 cells (negative control,Left) and bEnd.3 cells (Right) were surface-stained with CD146 Rabbit mAb(A24343,2µg/mL,orange line) or ABflo® 647 Rabbit IgG isotype control (A22070,2µg/mL,blue line),followed by Alexa Fluor®647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).

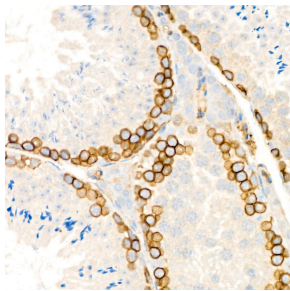


Flow cytometry: 1×10^6 bEnd.3 cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 2 μ g/mL, left) or CD146 Rabbit mAb (A24343, 2 μ g/mL, right).

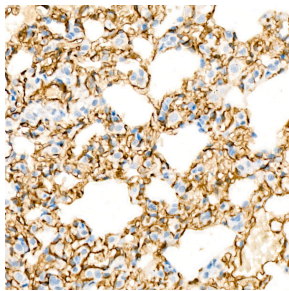
Validation Data



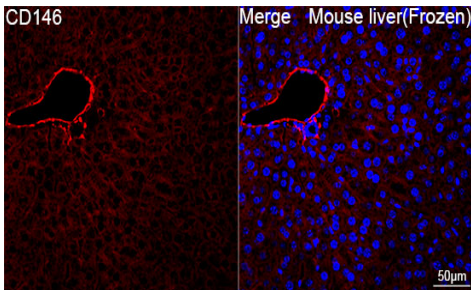
Immunohistochemistry analysis of paraffin-embedded Mouse lung using CD146 Rabbit mAb (A24343) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



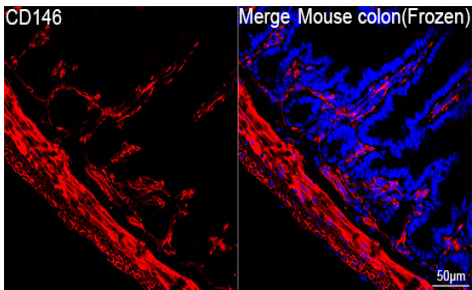
Immunohistochemistry analysis of paraffin-embedded Mouse testis using CD146 Rabbit mAb (A24343) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



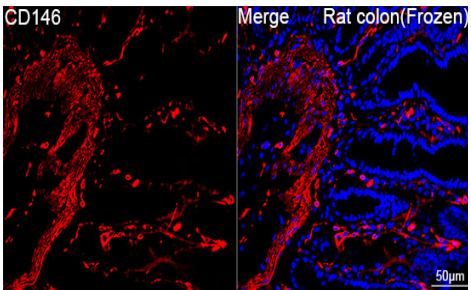
Immunohistochemistry analysis of paraffin-embedded Rat lung using CD146 Rabbit mAb (A24343) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



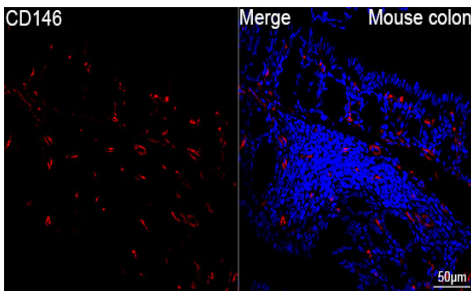
Confocal imaging of frozen sections of Mouse liver tissue using CD146 Rabbit mAb (A24343, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



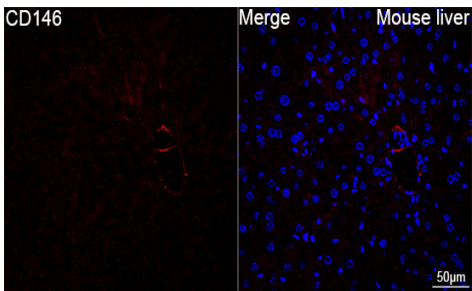
Confocal imaging of frozen sections of Mouse colon tissue using CD146 Rabbit mAb (A24343, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



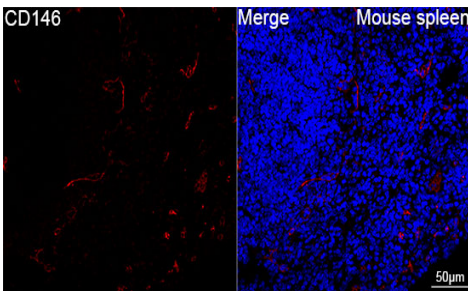
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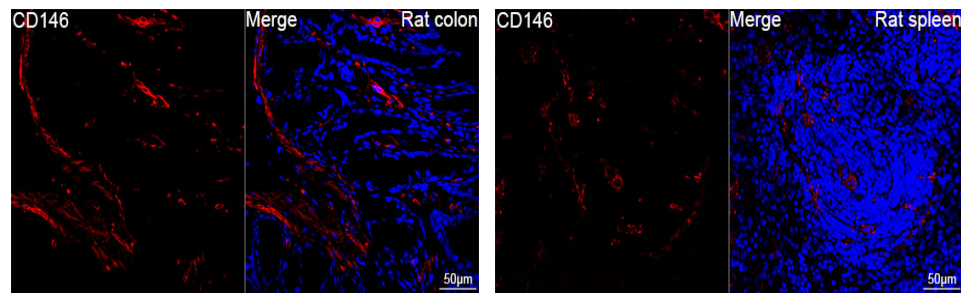
Immunofluorescence analysis of Mouse spleen tissue using CD146 Rabbit mAb (A24343, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red).

DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

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Validation Data



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Confocal imaging of paraffin-embedded Rat spleen tissue using CD146 Rabbit mAb (A24343, 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). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

