ABclonal® Technology

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CD146/MCAM Rabbit mAb

Catalog No.: A25753   **Recombinant**

Basic Information

Observed MW
120kDa

Calculated MW
72kDa

Category
Primary antibody

Applications
WB,IF/ICC,ELISA

Cross-Reactivity
Human

CloneNo number
ARC68503

Background

Involved in glomerular filtration and vascular wound healing. Acts upstream of or within angiogenesis. Located in external side of plasma membrane. Biomarker of chronic obstructive pulmonary disease and uveal melanoma.

Recommended Dilutions

WB	1:1000 - 1:4000
IF/ICC	1:200 - 1:800
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
4162

Swiss Prot
P43121

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 24-559 of human CD146/MCAM (NP_006491.2).

Synonyms
CD146; MUC18; HEMCAM; METCAM; MelCAM

Contact

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Product Information
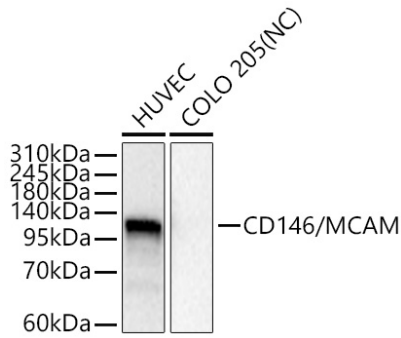
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data

Western blot analysis of various lysates using CD146/MCAM Rabbit mAb (A25753) at 1:1000 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): COLO 205
Exposure time: 30 s.
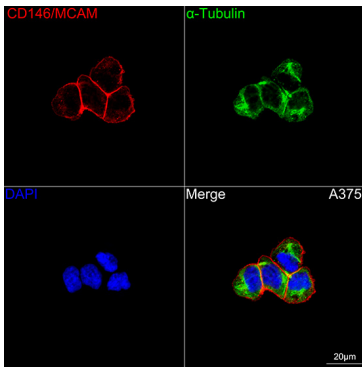
Confocal imaging of A375 cells using CD146/MCAM Rabbit mAb (A25753, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.