

## CD146 (ANT0004R) Rabbit mAb

CatalogNo: ANT8249 **Recombinant** 

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA  
Quantity : 100 ug/vial

### Host Species

- Rabbit
- Human,Mouse,Rat,

### Reactivity

- WB,IHC,IF,IP,ELISA

### Applications

### MW

- 72kD (Calculated)
- 125kD (Observed)

### Isotype

- IgG,Kappa

## Recommended Dilution Ratios

IHC 1:1000-1:4000

WB 1:2000-1:10000

IF 1:200-1:1000

ELISA 1:5000-1:20000

IP 1:50-1:200

## Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)

## Basic Information

**Clonality** Monoclonal

**Clone Number** ANT0004R

## Target Information

Immunogen Information Specificity

Endogenous

Gene name MCAM MUC18  
Protein Name CD146

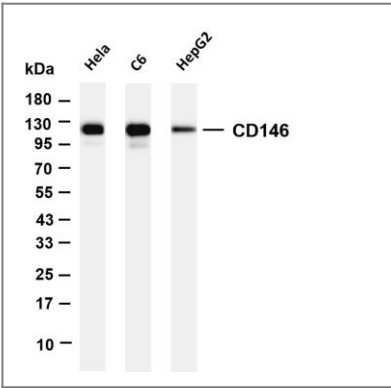
Organism	Gene ID	UniProt ID
Human	<a href="#">4162</a> ;	<a href="#">P43121</a> ;

Cellular Localization Membrane

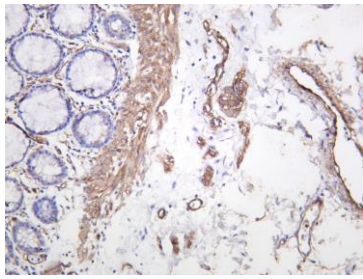
Tissue specificity Detected in endothelial cells in vascular tissue throughout the body. May appear at the surface of neural crest cells during their embryonic migration. Appears to be limited to vascular smooth muscle in normal adult tissues. Associated with tumor progression and the development of metastasis in human malignant melanoma. Expressed most strongly on metastatic lesions and advanced primary tumors and is only rarely detected in benign melanocytic nevi and thin primary melanomas with a low probability of metastasis.

Function Function:Plays a role in cell adhesion, and in cohesion of the endothelial monolayer at intercellular junctions in vascular tissue. Its expression may allow melanoma cells to interact with cellular elements of the vascular system, thereby enhancing hematogeneous tumor spread. Could be an adhesion molecule active in neural crest cells during embryonic development. Acts as surface receptor that triggers tyrosine phosphorylation of FYN and ANTK2, and a transient increase in the intracellular calcium concentration.,similarity:Contains 2 Ig-like V-type (immunoglobulin-like) domains.,similarity:Contains 3 Ig-like C2-type (immunoglobulin-like) domains.,tissue specificity:Detected in endothelial cells in vascular tissue throughout the body. May appear at the surface of neural crest cells during their embryonic migration. Appears to be limited to vascular smooth muscle in normal adult tissues. Associated with tumor progression and the development of metastasis in human malignant melanoma. Expressed most strongly on metastatic lesions and advanced primary tumors and is only rarely detected in benign melanocytic nevi and thin primary melanomas with a low probability of metastasis.,

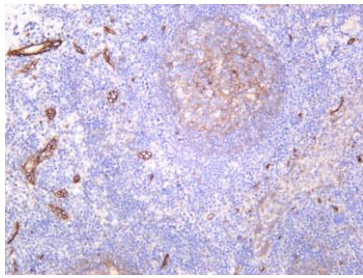
Validation Data



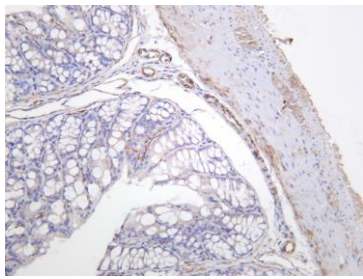
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CD146 (ANT0004R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: C6 Lane 3: HepG2 Predicted band size: 72kDa Observed band size: 125kDa



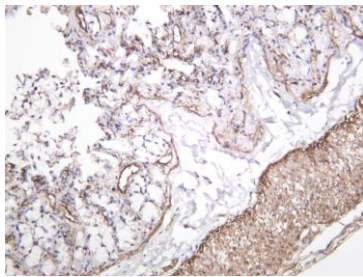
Human colon was stained with anti-CD146 (ANT0004R) rabbit antibody



Human tonsil was stained with anti-CD146 (ANT0004R) rabbit antibody



Mouse colon was stained with anti-CD146 (ANT0004R) rabbit antibody



Rat colon was stained with anti-CD146 (ANT0004R) rabbit antibody

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