

AP18112PU-N**Polyclonal Antibody to CD146****Alternate names:**

A32, CD146, Cell surface glycoprotein P1H12, MCAM, MUC18, Melanoma cell adhesion molecule, Melanoma-associated antigen MUC18, S-endo 1 endothelial-associated antigen

Quantity:

0.4 ml

Concentration:

lot specific

Background:

MCAM 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 hematogenous tumor spread. It could be an adhesion molecule active in neural crest cells during embryonic development. It acts as surface receptor that triggers tyrosine phosphorylation of FYN and PTK2, and a transient increase in the intracellular calcium concentration.

Uniprot ID:

[P43121](#)

NCBI:

[NP_006491](#)

GeneID:

[4162](#)

Host:

Rabbit

Immunogen:

KLH conjugated synthetic peptide selected from the Center region of human MCAM

Format:

State: Liquid purified Ig

Purification: Saturated Ammonium Sulfate (SAS) precipitation

Buffer System: PBS with 0.09% (W/V) sodium azide

Applications:

ELISA: 1/1,000.

Western blotting: 1/50 - 1/100.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody reacts to CD146.

Species: Human.

Other species not tested.

Storage:

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

1. Fritzsche, F.R., Pathology 40 (5), 457-464 (2008)

2. Malyszko, J., Clin. Appl. Thromb. Hemost. 14 (3), 338-345 (2008)

3. Guezguez, B., J. Immunol. 179 (10), 6673-6685 (2007)

Pictures:

Western blot analysis of MCAM Antibody (Center) (AP18112PU-N) in A2058 cell line lysates (35ug/lane). MCAM (arrow) was detected using the purified Pab.(2ug/ml)

