

AP22800PU-N**Polyclonal Antibody to CD146 - Purified****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:

50 µg

Concentration:

0.25 mg/ml

Background:

MCAM (also termed CD146 or MUC18) is a cell-adhesion molecule belonging to the immunoglobulin gene superfamily. It mediates cell-cell interaction through heterophilic Mel-CAM/ligand adhesion. MCAM has been shown to expressed widely in normal and neoplastic human tissues. MUC18 expression is increased during prostate cancer initiation (high grade PIN) and progression to carcinoma, and in metastatic cell lines and metastatic carcinoma.

Uniprot ID:

[P43121](#)

NCBI:

[NP_006491](#)

GeneID:

[4162](#)

Host:

Rabbit

Immunogen:

KLH conjugated synthetic peptide corresponding to amino acid residues surrounding Y641 of human MCAM.

Genename: MCAM

Format:

State: Liquid purified Ig fraction

Purification: Protein A Chromatography

Buffer System: PBS containing 0.09% sodium azide

Applications:

Immunohistochemistry on Paraffin Sections: 10 µg/ml.

Western Blot: 1/1000.

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

Specificity:

This antibody reacts to Melanoma Cell Adhesion Molecule (MCAM/MUC18).

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.

Pictures:

Human Placenta (formalin-fixed, paraffin-embedded) stained with MCAM antibody AP22800PU-N followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.

