

anti-Human CD146 Polyclonal Antibody | anti-CD146 antibody

Anti-CD146 Antibody

CATALOG # AAA46568	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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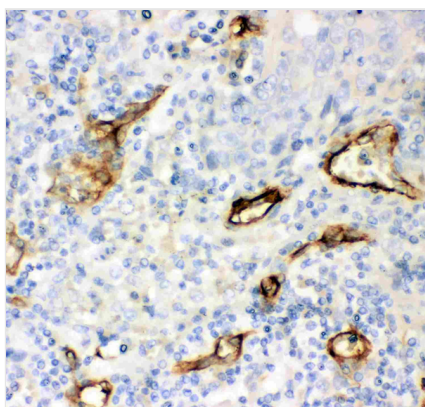
PRODUCT SYNONYMS

CD146; Polyclonal Antibody; Anti-CD146 Antibody; Cell surface glycoprotein MUC18; A32 antigen; CD 146; CD146 antigen; Cell surface glycoprotein P1H12; Gicerin; MCAM; Melanoma adhesion molecule; Melanoma associated antigen A32; Melanoma associated antigen MUC18; Melanoma associated glycoprotein MUC18; Melanoma cell adhesion molecule; Melanoma-associated antigen A32; Melanoma-associated antigen MUC18; MelCAM; MUC 18; MUC18; MUC18_HUMAN; S endo 1; S endo 1 endothelial associated antigen; S-endo 1 endothelial-associated antigen; S endo 1 endothelial associated antigen; S endo1; melanoma cell adhesion molecule; anti-CD146 antibody

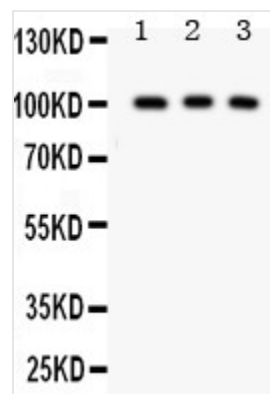
PRODUCT SPECIFICATIONS

Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	646
Applicable Applications for anti-CD146 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human CD146 recombinant protein (Position: H59-A401). Human CD146 shares 73% amino acid (aa) sequence identity with both mouse and rat CD146.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

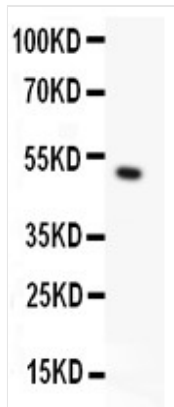
IMAGES



IHC (Immunohistochemistry)
Anti- CD146 antibody, IHC(P)IHC(P): Human Lung Cancer Tissue



WB (Western Blot)
Anti- CD146 antibody, Western blottingAll lanes: Anti CD146 at 0.5ug/mlLane 1: A375 Whole Cell Lysate at 40ugLane 2: HELA Whole Cell Lysate at 40ugLane 3: HEPG2 Whole Cell Lysate at 40ugPredicted bind size: 72KDObserved bind size: 100KD



WB (Western Blot)
 Anti- CD146 antibody, Western blottingAll lanes: Anti CD146 at 0.5ug/mlWB: Recombinant Human CD146 Protein 0.5ngPredicted bind size: 48KDObserved bind size: 48KD

ADDITIONAL INFORMATION

Related Product Information for anti-CD146 antibody	Description: Rabbit IgG polyclonal antibody for Cell surface glycoprotein MUC18(MCAM) detection. Tested with WB, IHC-P in Human. Background: CD146 (cluster of differentiation 146), also known as the melanoma cell adhesion molecule (MCAM) or cell surface glycoprotein MUC18, is a 113kDa cell adhesion molecule currently used as a marker for endothelial cell lineage. MCAM, a member of the immunoglobulin superfamily, is homologous to several cell adhesion molecules and is associated with tumor progression and the development of metastasis in human malignant melanoma. By radiation hybrid analysis, this gene is mapped to chromosome 11q23.3. MCAM has been demonstrated to appear on a small subset of T and B lymphocytes in the peripheral blood of healthy individuals. MCAM has been seen as a marker for mesenchymal stem cells isolated from multiple adult and fetal organs, and its expression may be linked to multipotency mesenchymal stem cells with greater differentiation potential express higher levels of MCAM on the cell surface.
References	1. Bardin, N., Anfosso, F., Masse, J.-M., Cramer, E., Sabatier, F., Le Bivic, A., Sampol, J., Dignat-George, F. Identification of CD146 as a component of the endothelial junction involved in the control of cell-cell cohesion. <i>Blood</i> 98: 3677-3684, 2001. 2. Kuske, M. D. A., Johnson, J. P. Assignment of the human melanoma cell adhesion molecule gene (MCAM) to chromosome 11 band q23.3 by radiation hybrid mapping. <i>Cytogenet. Cell Genet.</i> 87: 258 only, 1999. 3. Taira, E., Nagino, T., Taniura, H., Takaha, N., Kim, C.-H., Kuo, C.-H., Li, B.-S., Higuchi, H., Miki, N. Expression and functional analysis of a novel isoform of gicerin, an immunoglobulin superfamily cell adhesion molecule. <i>J. Biol. Chem.</i> 270: 28681-28687, 1995.

NCBI AND UNIPROT INFORMATION

NCBI GI #	71274107
NCBI GeneID	4162
NCBI Accession #	NP_006491.2
NCBI GenBank Nucleotide #	NM_006500.2
UniProt Accession #	P43121; O95812; Q59E86; Q6PHR3; Q6ZTR2
Molecular Weight	57,605 Da
NCBI Official Full Name	cell surface glycoprotein MUC18
NCBI Official Synonym Full Names	melanoma cell adhesion molecule
NCBI Official Symbol	MCAM
NCBI Official Synonym Symbols	CD146; MUC18
NCBI Protein Information	cell surface glycoprotein MUC18

UniProt Protein Name	Cell surface glycoprotein MUC18
UniProt Gene Name	MCAM
UniProt Synonym Gene Names	MUC18
UniProt Entry Name	MUC18_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd146-antibody-immunohistochemistry-western-blot-elisa/46568>