

Rabbit anti-Human CD146/MCAM Polyclonal Antibody | anti-MCAM antibody

Anti-CD146/MCAM Antibody, Rabbit Polyclonal

CATALOG # AAA254489	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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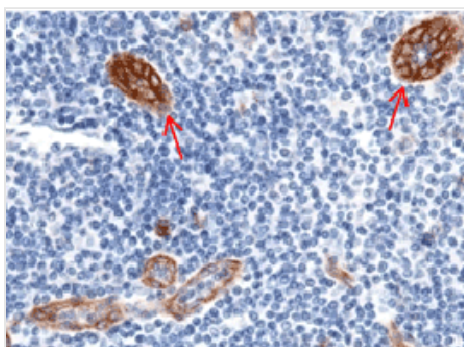
PRODUCT SYNONYMS

CD146/MCAM; Polyclonal Antibody; Anti-CD146/MCAM Antibody; Rabbit Polyclonal; CD146/MCAM Antibody; Rabbit PAb; Antigen Affinity Purified; melanoma cell adhesion molecule; Anti-CD146 Antibody; Anti-MUC18 Antibody; anti-MCAM antibody

PRODUCT SPECIFICATIONS

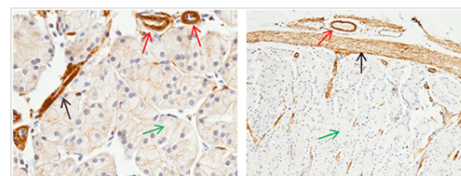
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human CD146/MCAM
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-MCAM antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human CD146 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human CD146/MCAM extracellular domain (rh CD146). CD146 specific IgG was purified by human CD146 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical staining of formalin fixed, paraffin-embedded human lymphonode showing membrane staining of endothelial cells (red arrow) (1:5000).



IHC (Immunohistochemistry)

Immunohistochemical staining of formalin fixed, paraffin-embedded human stomach showing (The left panel: 1:500. The right panel: 1:5000). 1. Membrane staining of endothelial cells (red arrow) 2. Smooth muscle cells (black arrow) 3. Epithelial cells (green arrow)

ADDITIONAL INFORMATION

Related Product Information for anti-MCAM antibody	The CD146 antigen, also known as melanoma cell adhesion molecule (MCAM) and MUC18, is an integral membrane glycoprotein belonging to the immunoglobulin superfamily. CD146 contains the characteristic immunoglobulin-like domains (V-V-C2-C2-C2), a transmembrane region, and a short cytoplasmic tail. The CD146 expression is detected in endothelial cells in vascular tissue throughout the body and plays a role in cell adhesion, as well as in cohesion of the endothelial monolayer at intercellular junctions in vascular tissue. As a Ca2+-independent cell adhesion molecule involved in heterophilic cell to cell interactions and a surface receptor, CD146 triggers tyrosine phosphorylation of FYN and PTK2 and subsequently induced signal transduction, proteolysis, or immune recognition. This protein is also expressed predominantly on metastatic lesions and advanced primary tumors, and thus has been suggested to play an important role in tumor progression and the development of metastasis in certain human carcinomas.
References	Mills L, et al. (2002) Fully human antibodies to MCAM/MUC18 inhibit tumor growth and metastasis of human melanoma. Cancer Res. 62(17): 5106-14.Taira E, et al. (2004) Characterization of Gicerin/MUC18/CD146 in the rat nervous system. J Cell Physiol. 198(3): 377-87.Fritzsche FR, et al. (2008) CD146 protein in prostate cancer: revisited with two different antibodies. Pathology. 40(5): 457-64.Bidlingmaier S, et al. (2009) Identification of MCAM/CD146 as the target antigen of a human monoclonal antibody that recognizes both epithelioid and sarcomatoid types of mesothelioma. Cancer Res. 69(4): 1570-7.Boneberg EM, et al. (2009) Soluble CD146 is generated by ectodomain shedding of membrane CD146 in a calcium-induced, matrix metalloprotease-dependent process. Microvasc Res. 78(3): 325-31.

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://www.aaabiotech.com/polyclonal/cd146-mcam-antibody-immunohistochemistry-elisa/254489>