

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

Anti-CD146/MCAM Antibody, Rabbit Polyclonal

CATALOG # AAA257226	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
-------------------------------	-----------------------	----------------------------	--

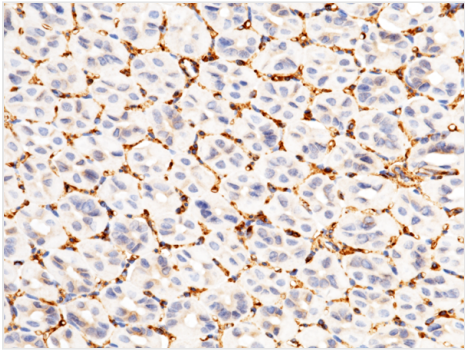
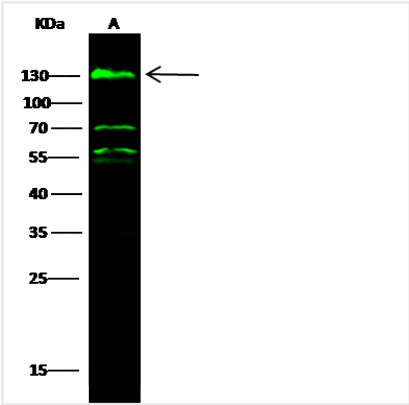
PRODUCT SYNONYMS

CD146/MCAM; Polyclonal Antibody; Anti-CD146/MCAM Antibody; Rabbit Polyclonal; CD146/MCAM Antibody; Rabbit PAb; Antigen Affinity Purified; melanoma cell adhesion molecule; Anti-1-gicerin Antibody; Anti-AV025631 Antibody; Anti-CD146 Antibody; Anti-CD149 Antibody; Anti-Muc18 Antibody; Anti-s-endo Antibody; Anti-s-gicerin Antibody; anti-MCAM antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse 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, WB (Western Blot)
Immunogen	Recombinant Mouse CD146/MCAM protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Mouse CD146/MCAM (rM CD146/MCAM). CD146/MCAM specific IgG was purified by Mouse CD146/MCAM 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)
Immunochemical staining of mouse MCAM in mouse stomach with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

WB (Western Blot)
Anti-MCAM rabbit polyclonal antibody at 1:500 dilution Lane A: Hela Membrane Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 72 kDa Observed band size: 130 kDa (We are unsure as to the identity of these extra bands).

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 Ca ²⁺ -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. <i>Cancer Res.</i> 62(17): 5106-14. Taira E, et al. (2004) Characterization of Gicerin/MUC18/CD146 in the rat nervous system. <i>J Cell Physiol.</i> 198(3): 377-87. Fritzsche FR, et al. (2008) CD146 protein in prostate cancer: revisited with two different antibodies. <i>Pathology.</i> 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. <i>Cancer Res.</i> 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. <i>Microvasc Res.</i> 78(3): 325-31.

NCBI AND UNIPROT INFORMATION

NCBI GI #	160333901
NCBI GeneID	84004
NCBI Accession #	NP_075548.2
NCBI GenBank Nucleotide #	NM_023061.2
UniProt Accession #	Q8R2Y2; Q9EPF1; Q9ESS7; Q9JHQ2; Q9JHQ3
Molecular Weight	66,901 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; CD149; Muc18; s-endo; AV025631; 1-gicerin; s-gicerin
NCBI Protein Information	cell surface glycoprotein MUC18
UniProt Protein Name	Cell surface glycoprotein MUC18
UniProt Gene Name	Mcam
UniProt Synonym Gene Names	Muc18

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd146-mcam-antibody-immunohistochemistry-western-blot-elisa/257226>