

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

Anti-CD146/MCAM Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA259137	Rabbit	Mouse	Immunofluorescence, Immunocytochemistry, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

CD146/MCAM; Polyclonal Antibody; Anti-CD146/MCAM Antibody; Rabbit Polyclonal; 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-CD146/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-CD146/MCAM antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Mouse CD146/MCAM Protein
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



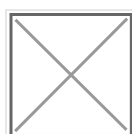
IF (Immunofluorescence)

Immunofluorescence staining of mMCAM-His in mouse splenocytes cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-Mouse mMCAM-His polyclonal antibody (dilution ratio 1:100) at 4? overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cell membrane.



IHC (Immunohistochemistry)

Immunohistochemical staining of Mouse CD146 in Mouse liver with rabbit polyclonal antibody at 1:10000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunohistochemical staining of Mouse CD146 in Mouse uterus with rabbit polyclonal antibody at 1:10000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-CD146/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.

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-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/259137>