

**Anti-MCAM / CD146 Antibody**  
**Rabbit Anti Human Polyclonal Antibody**  
**Catalog # ALS18218****Specification**

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**Anti-MCAM / CD146 Antibody - Product Information**

Application	WB, IHC-P, E
Primary Accession	<a href="#">P43121</a>
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	71607

**Anti-MCAM / CD146 Antibody - Additional Information****Gene ID** 4162**Alias Symbol** MCAM**Other Names**

MCAM, CD146, CD146 antigen, Gicerin, Melanoma adhesion molecule, MUC18, p1h12

**Target/Specificity**

Human MCAM / CD146

**Reconstitution & Storage**

Caprylic acid and ammonium sulfate precipitation

**Precautions**

Anti-MCAM / CD146 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-MCAM / CD146 Antibody - Protein Information****Name** MCAM**Synonyms** MUC18**Function**

Plays a role in cell adhesion, and in cohesion of the endothelial monolayer at intercellular junctions in vascular tissue. Its expression may allow melanoma cells to interact with cellular elements of the vascular system, thereby enhancing hematogeneous tumor spread. Could be an adhesion molecule active in neural crest cells during embryonic development. Acts as a surface receptor that triggers tyrosine phosphorylation of FYN and PTK2/FAK1, and a transient increase in the intracellular calcium concentration.

**Cellular Location**

Membrane; Single-pass type I membrane protein.

**Tissue Location**

Detected in endothelial cells in vascular tissue throughout the body. May appear at the surface of neural crest cells during their embryonic migration. Appears to be limited to vascular smooth muscle in normal adult tissues. Associated with tumor progression and the development of metastasis in human malignant melanoma. Expressed most strongly on metastatic lesions and advanced primary tumors and is only rarely detected in benign melanocytic nevi and thin primary melanomas with a low probability of metastasis

**Anti-MCAM / CD146 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-MCAM / CD146 Antibody - Images**