

Anti-MCAM / CD146 Antibody

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS18218

Product Information

Application	WB, IHC-P, E
Primary Accession	P43121
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	71607

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.

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.