

Goat anti-MCAM / CD146/ MUC18 Antibody

Peptide-affinity purified goat antibody

Catalog # AF4471a

Product Information

Application	WB, Pep-ELISA
Primary Accession	P43121
Other Accession	NP_006491.2
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Clone Names	MCAM
Calculated MW	71607

Additional Information

Gene ID	4162
Other Names	MCAM; melanoma cell adhesion molecule; CD146; MUC18; Gicerin; S-endo 1 endothelial-associated antigen; cell surface glycoprotein MUC18; cell surface glycoprotein P1H12; melanoma adhesion molecule; melanoma-associated antigen A32; melanoma-associated antigen
Dilution	WB~~1:1000 Pep-ELISA~~N/A
Format	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Goat anti-MCAM / CD146/ MUC18 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'.