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AAMP Rabbit mAb

Catalog # AP75021

Product Information

Application	WB, FC
Primary Accession	Q13685
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	46751

Additional Information

Gene ID	14
Other Names	AAMP
Dilution	WB~~1:1000-1:5000 FC~~1:10-1:100
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

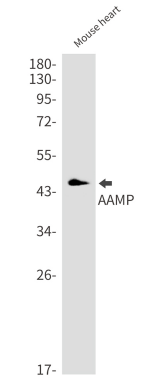
Name	AAMP
Function	Plays a role in angiogenesis and cell migration. In smooth muscle cell migration, may act through the RhoA pathway.
Cellular Location	Cell membrane. Cytoplasm.
Tissue Location	Expressed in metastatic melanoma, liver, skin, kidney, heart, lung, lymph node, skeletal muscle and brain, and also in A2058 melanoma cells and activated T-cells (at protein level) Expressed in blood vessels. Strongly expressed in endothelial cells, cytotrophoblasts, and poorly differentiated. colon adenocarcinoma cells found in lymphatics.

Background

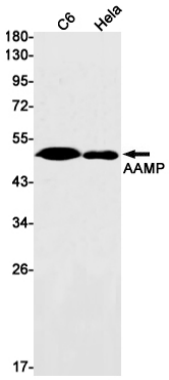
Angio-associated, migratory cell protein, also known as AAMP, is a protein which in humans is encoded by

the AAMP gene. This protein has been conserved in evolution and is so common to many mammals. It is found to be expressed strongly in the cytosol of endothelial cells, cytotrophoblasts, and poorly differentiated colon adenocarcinoma cells found in lymphatics and has been observed at the luminal edges of endometrial cells and in the extracellular environment of vascular-associated mesenchymal cells. AAMP helps to regulate vascular endothelial cell migration regulation and angiogenesis, with other signaling pathway like RhoA/Rho-kinase signaling. In all these diseases we can observe the expression of the AAMP gene. This one can either remain stable, increase or decrease depending on the disease. List of the diseases : gastrointestinal stromal tumor (GIST) (for this disease and the ductal carcinomas, the expression levels are to correlate with necrosis in situ), myeloid leukemia (chronic (CML) and acute (AML) forms), lymphoma, breast cancer, glial brain tumors, colon neoplasia, epidermoid carcinoma, cervical cancer, ovarian cancer, papillary thyroid cancer, pulmonary cancer, atherosclerosis, restenosis.

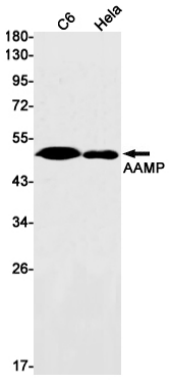
Images



Western blot analysis of AAMP in mouse heart lysates using AAMP antibody.



Western blot analysis of AAMP in C6, Hela lysates using AAMP antibody.



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