

# AAMP Rabbit mAb

Catalog # AP75021

## Product Information

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<b>Application</b>	WB, FC
<b>Primary Accession</b>	<a href="#">Q13685</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity Purified
<b>Calculated MW</b>	46751

## Additional Information

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

## Protein Information

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<b>Name</b>	AAMP
<b>Function</b>	Plays a role in angiogenesis and cell migration. In smooth muscle cell migration, may act through the RhoA pathway.
<b>Cellular Location</b>	Cell membrane. Cytoplasm.
<b>Tissue Location</b>	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.

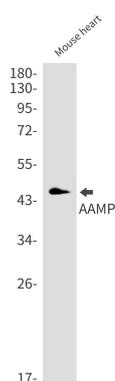
## Background

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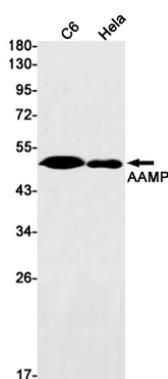
Angio-associated, migratory cell protein, also known as AAMP, is a protein which in humans is encoded by

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.

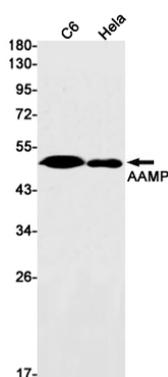
## Images



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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