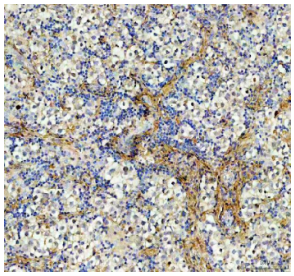
# AAMP Antibody / Angio associated migratory cell protein (R31545)

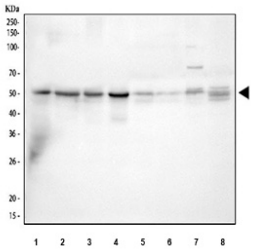
| Catalog No. | Formulation | Size |
|---|---|---|
| R31545 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

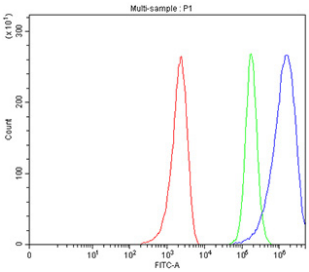
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | Q13685 |
| **Localization** | Cytoplasm, cell membrane |
| **Applications** | Western blot: 0.5-1ug/ml<br>Immunohistochemistry (FFPE): 2-5ug/ml<br>Flow cytometry: 1-3ug/million cells |
| **Limitations** | This AAMP antibody is available for research use only. |



IHC staining of FFPE human testis cancer tissue with AAMP antibody, HRP-labeled secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.




Western blot testing of 1) human MCF7, 2) human HepG2, 3) human Caco-2, 4) human 293T, 5) rat heart, 6) rat kidney, 7) mouse heart and 8) mouse kidney tissue lysate with AAMP antibody. Predicted molecular weight: ~47 kDa.




Flow cytometry testing of fixed and permeabilized human MCF7 cells with AAMP antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= AAMP antibody.

## Description

Angio-associated migratory cell protein, or AAMP, is a multifunctional protein involved in angiogenesis, cell migration, and cytoskeletal organization. AAMP plays a key role in vascular development and endothelial cell function by regulating actin dynamics and cell adhesion. It is expressed in a variety of tissues, including the vasculature, and is particularly important in the context of tumor growth and metastasis due to its influence on endothelial cell motility and vascular remodeling.

AAMP exists in multiple isoforms resulting from alternative splicing. These isoforms may differ in tissue distribution, subcellular localization, or interaction with binding partners. The presence of distinct isoforms adds complexity to AAMPÃ¢Â€Â™s function, allowing it to participate in diverse signaling pathways depending on cellular context. Studying the expression patterns and regulation of these isoforms is important for understanding their individual roles in physiological and pathological conditions.

The use of an AAMP antibody enables researchers to detect and quantify AAMP protein across different biological samples. A high-quality AAMP antibody is essential for examining the expression of AAMP isoforms and for investigating their function in angiogenesis, inflammation, and cancer biology. Common applications include western blot, immunohistochemistry, immunofluorescence, and ELISA, where the AAMP antibody can provide reliable detection and localization of AAMP protein.

An AAMP antibody is a valuable tool for scientists studying vascular development, cancer progression, or cytoskeletal regulation, offering insight into the mechanisms by which AAMP contributes to endothelial cell behavior and tissue remodeling.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the AAMP antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Human partial recombinant protein (AA 235-434) was used as the immunogen for this AAMP antibody.

## Storage

After reconstitution, the AAMP antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at

-20oC. Avoid repeated freezing and thawing.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