

# AIMP1 Polyclonal Antibody

Catalog Number: E-AB-53139



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

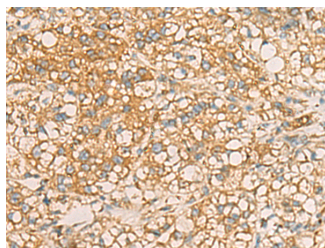
## Description

|                     |   |
|---------------------|---|
| <b>Reactivity</b>   | Human, Mouse  |
| <b>Immunogen</b>    | Fusion protein of human AIMP1                           |
| <b>Host</b>         | Rabbit  |
| <b>Isotype</b>      | IgG   |
| <b>Purification</b> | Antigen affinity purification                           |
| <b>Conjugation</b>  | Unconjugated  |
| <b>Formulation</b>  | PBS with 0.05% NaN <sub>3</sub> and 40% Glycerol, pH7.4 |

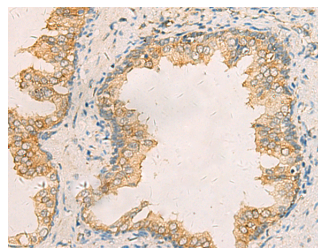
## Applications Recommended Dilution

|              |                |
|--------------|----------------|
| <b>IHC</b>   | 1:50-1:200     |
| <b>ELISA</b> | 1:5000-1:10000 |

## Data



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using AIMP1 Polyclonal Antibody at dilution of 1:40 (x200)



Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using AIMP1 Polyclonal Antibody at dilution of 1:40 (x200)

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## Background

The protein encoded by this gene is a cytokine that is specifically induced by apoptosis, and it is involved in the control of angiogenesis, inflammation, and wound healing. The release of this cytokine renders the tumor-associated vasculature sensitive to tumor necrosis factor. The precursor protein is identical to the p43 subunit, which is associated with the multi-tRNA synthetase complex, and it modulates aminoacylation activity of tRNA synthetase in normal cells. This protein is also involved in the stimulation of inflammatory responses after proteolytic cleavage in tumor cells. Multiple transcript variants encoding different isoforms have been found for this gene. A pseudogene has been identified on chromosome 20.

## For Research Use Only

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