Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

AIMP1 Polyclonal Antibody

Catalog No: tcba9232

Available Sizes

Size: 50ul

Size: 100ul

Size: 200ul

Specifications

Application:
WB,IHC,IF

Research Area:
Cancer,Apoptosis,Tumor biomarkers,Cardiovascular,Cell Biology,Immunology,Innate Immunity,

Species Reactivity:
Human,Mouse,Rat

Host Species:
Rabbit

Isotype:
IgG

Form:
Liquid

Storage Buffer:
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Recommended Dilution:
WB 1:500 - 1:2000
IHC 1:50 - 1:200
IF 1:50 - 1:200

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Storage Instruction:
Store at -20℃. Avoid freeze / thaw cycles.

Alternative Names:
EMAP2;EMAPII;HLD3;p43;SCYE1

SwissProt:
Q12904

Gene ID:
9255 (human);

Calculated Molecular Weight:
34kDa/37kDa

Purification:
Affinity purification

Cellular Location:
Cytoplasm,Cytoplasmic vesicle,Endoplasmic reticulum,Golgi apparatus,Nucleus,Secreted,cytosol,secretory vesicle,

Product Description

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.

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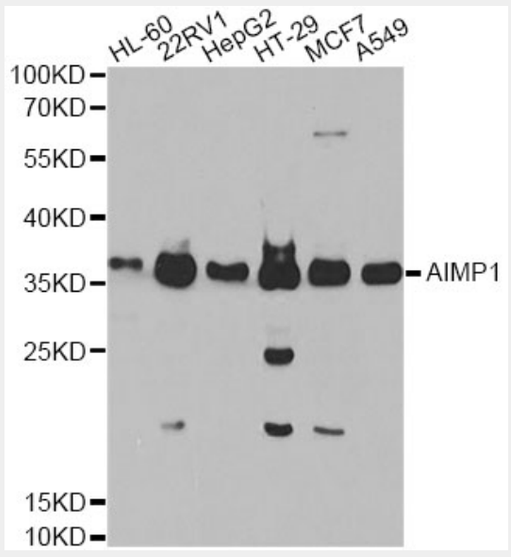
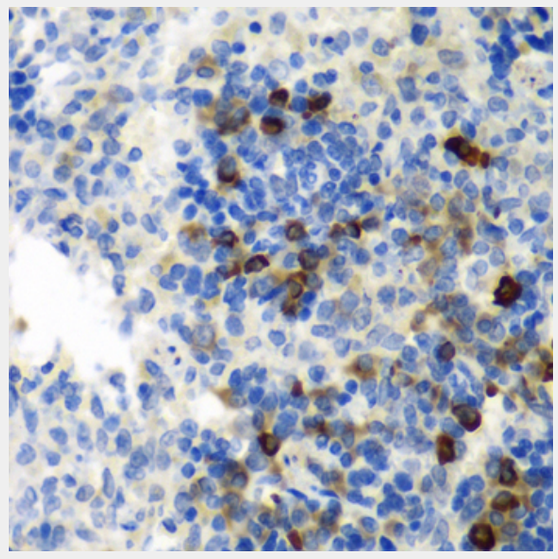
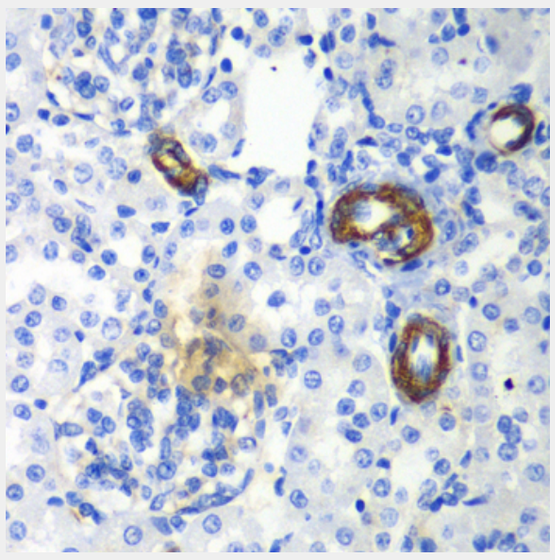


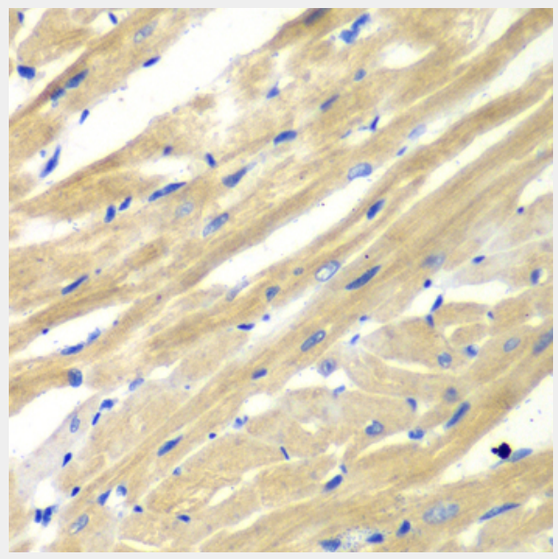
Western blot analysis of extracts of various cell lines, using AIMP1 Antibody at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit.
Exposure time: 30s.



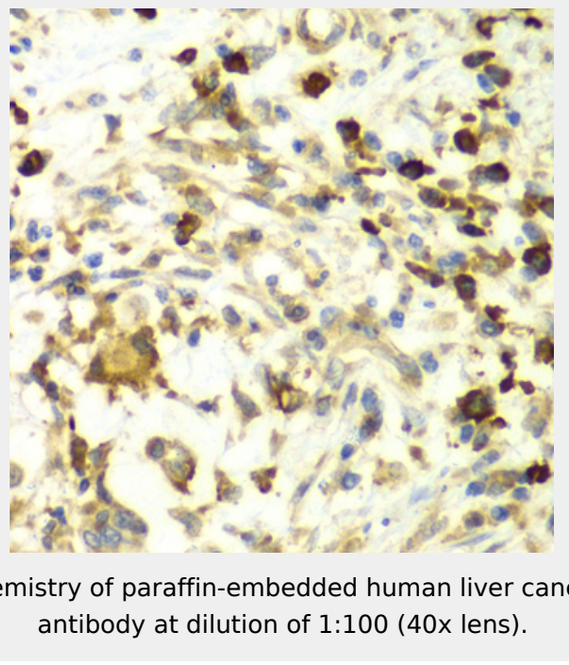
Immunohistochemistry of paraffin-embedded rat spleen using AIMP1 antibody at dilution of 1:100 (40x lens).



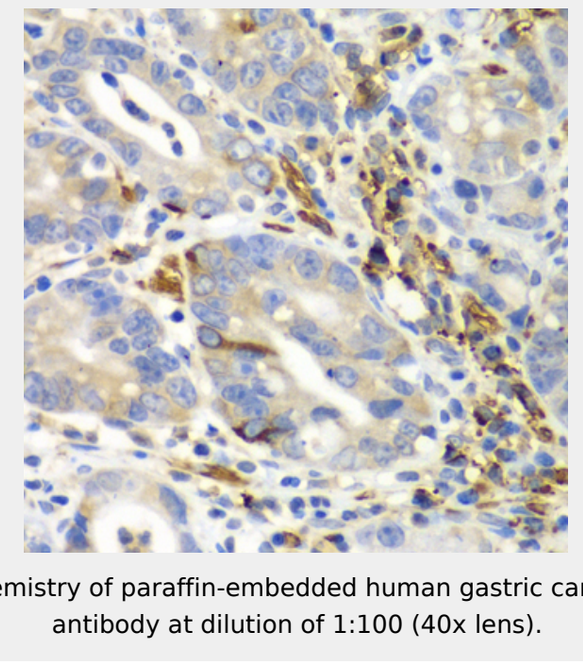
Immunohistochemistry of paraffin-embedded rat kidney using AIMP1 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded rat heart using AIMP1 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human liver cancer using AIMP1 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human gastric cancer using AIMP1 antibody at dilution of 1:100 (40x lens).

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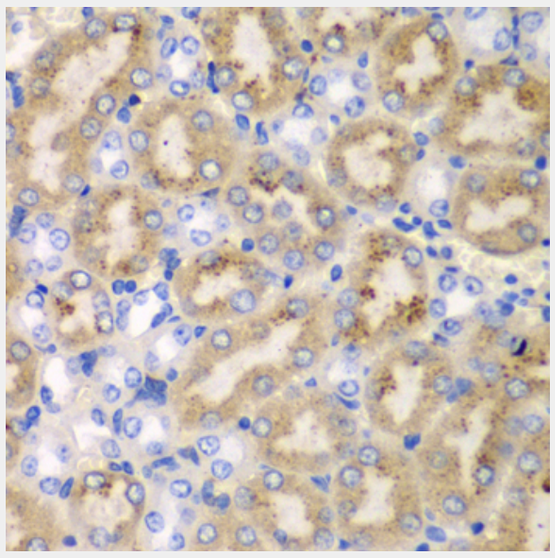
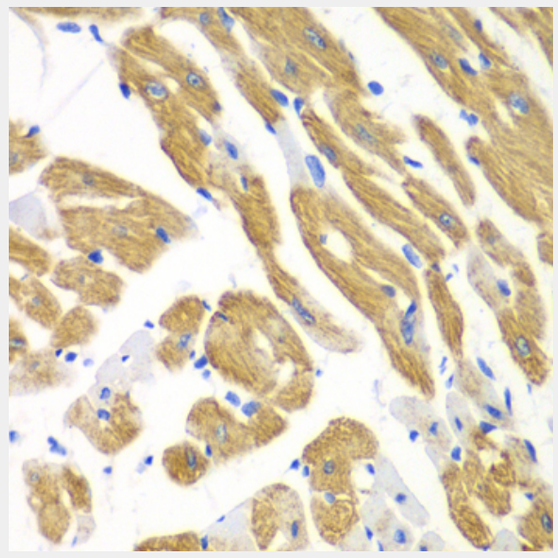
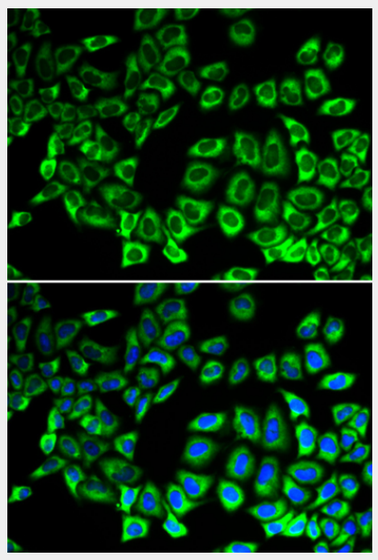


Immunohistochemistry of paraffin-embedded mouse kidney using AIMP1 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse heart using AIMP1 antibody at dilution of 1:100 (40x lens).



Immunofluorescence analysis of HeLa cells using AIMP1 antibody. Blue: DAPI for nuclear staining.

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