# Rabbit AIMP1 Polyclonal Antibody | anti-AIMP1 antibody

AIMP1 Polyclonal Antibody

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA167353** | **Rabbit** | **Human, Mouse, Rat** | **Immunohistochemistry, Western Blot, ELISA** |

## PRODUCT SYNONYMS

AIMP1; Polyclonal Antibody; AIMP1 Polyclonal Antibody; p43; HLD3; EMAP2; SCYE1; EMAPII; anti-AIMP1 antibody

## PRODUCT SPECIFICATIONS

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|---|---|
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse, Rat |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Purity/Purification** | Antigen affinity purification |
| **Concentration** | 2.4mg/mL (varies by lot) |
| **Sequence Length** | 336 |
| **Applicable Applications for anti-AIMP1 antibody** | IHC (Immunohistochemistry), WB (Western Blot), ELISA |
| **Immunogen** | Synthetic peptide of human AIMP1 |
| **Buffer** | PBS with 0.05% sodium azide, 50% glycerol, pH7.3 |
| **Preparation and Storage** | Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles. |

## IMAGES

**IHC (Immunohistochemisry)**
Immunohistochemistry of paraffin-embedded Human brain using AIMP1 Polyclonal Antibody at dilution of 1:40

**IHC (Immunohiostchemistry)**
Immunohistochemistry of paraffin-embedded Human gastic cancer using AIMP1 Polyclonal Antibody at dilution of 1:40

**WB (Western Blot)**
Western Blot analysis of Hela and hepG2 cell using AIMP1 Polyclonal Antibody at dilution of 1:400

## ADDITIONAL INFORMATION

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|---|---|
| **Related Product Information for anti-AIMP1 antibody** | 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. |
| **Product Categories/Family for anti-AIMP1 antibody** | Cell Biology |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 215490011 |
| **NCBI GeneID** | 9255 |
| **NCBI Accession #** | NP_001135888.1 |
| **NCBI GenBank Nucleotide #** | NM_001142416.1 |
| **Molecular Weight** | 37,039 Da |
| **NCBI Official Full Name** | aminoacyl tRNA synthase complex-interacting multifunctional protein 1 isoform b |
| **NCBI Official Synonym Full Names** | aminoacyl tRNA synthetase complex-interacting multifunctional protein 1 |
| **NCBI Official Symbol** | AIMP1 |
| **NCBI Official Synonym Symbols** | p43; HLD3; EMAP2; SCYE1; EMAPII |
| **NCBI Protein Information** | aminoacyl tRNA synthase complex-interacting multifunctional protein 1; ARS-interacting multifunctional protein 1; endothelial monocyte-activating polypeptide 2; endothelial-monocyte activating polypeptide II; multisynthase complex auxiliary component p43; multisynthetase complex auxiliary component p43; small inducible cytokine subfamily E, member 1 (endothelial monocyte-activating) |
| **UniProt Protein Name** | Aminoacyl tRNA synthase complex-interacting multifunctional protein 1 |
| **UniProt Gene Name** | **AIMP1** |
| **UniProt Synonym Gene Names** | EMAP2; SCYE1; EMAP-2; EMAP-II |
| **UniProt Entry Name** | AIMP1_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/aimp1-antibody-immunohistochemistry-western-blot-elisa/167353