

Rabbit AIMP1 Polyclonal Antibody | anti-AIMP1 antibody

AIMP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40517	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

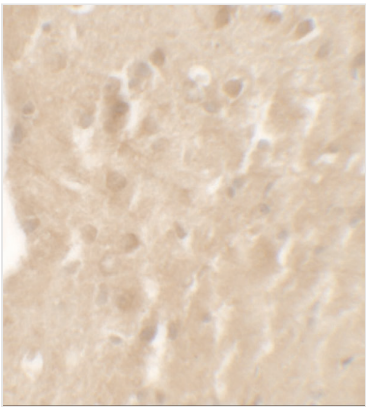
PRODUCT SYNONYMS

AIMP1; Polyclonal Antibody; AIMP1 Antibody; p43; HLD3; EMAP2; SCYE1; EMAPII; Aminoacyl tRNA synthase complex-interacting multifunctional protein 1; Multisynthase complex auxiliary component p43; EMAP-2; aminoacyl tRNA synthetase complex-interacting multifunctional protein 1; anti-AIMP1 antibody

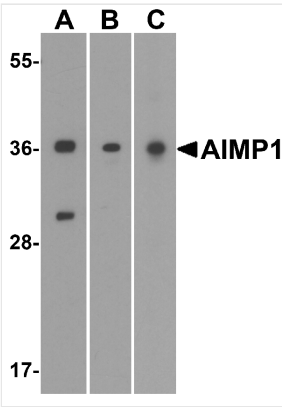
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	AIMP1 antibody is human, mouse and rat reactive. At least two isoforms of AIMP1 are known to exist; this antibody will recognize both isoforms. AIMP1 antibody is predicted to not cross-react with AIMP2.
Purity/Purification	AIMP1 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	336
Applicable Applications for anti-AIMP1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	AIMP1 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human AIMP1.
Buffer	AIMP1 antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	AIMP1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES



IHC (Immunohiostchemistry)
Immunohistochemistry of AIMP1 in mouse brain tissue with AIMP1 antibody at 5 μg/mL.



WB (Western Blot)
Western blot analysis of AIMP1 in (A) human, (B) mouse, and (C) rat brain tissue lysate with AIMP1 antibody at 1 μg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-AIMP1 antibody	AIMP1 (Endothelial monocyte-activating polypeptide II, EMAP2) is a proinflammatory cytokine for monocytes and granulocytes (1). It is specifically induced by apoptosis and is involved in the control of angiogenesis, inflammation, and wound healing (1,2). AIMP1 was identified as one of three auxiliary factors of the mammalian aminoacyl tRNA synthetase (ARS) complex. It binds and facilitates the catalytic reaction of arginyl-tRNA synthetase (2,3). Recent studies show that CD23 plays an essential role in the AIMP1-induced immune response and might be a target in the treatment of inflammatory diseases (4).
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	215490011
NCBI GeneID	9255
NCBI Accession #	NP_001135888
NCBI GenBank Nucleotide #	NM_001142416.1
UniProt Accession #	Q12904; Q6FG28; Q96CQ9; B3KTR2; B4E1S7
Molecular Weight	Predicted: 37 kDa Observed: 35 kDa
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; multisynthase complex auxiliary component p43; endothelial-monocyte activating polypeptide II; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/aimp1-antibody-immunohistochemistry-western-blot-elisa/40517>