

Rabbit anti-Human AIMP1 Polyclonal Antibody | anti-AIMP1 antibody

AIMP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234628	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

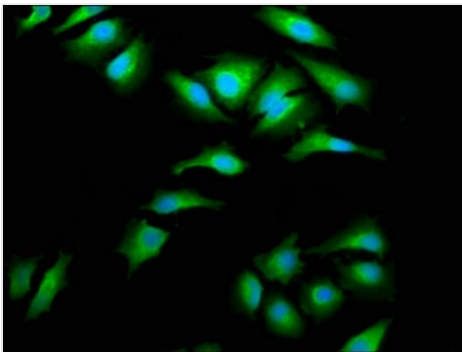
PRODUCT SYNONYMS

AIMP1; Polyclonal Antibody; AIMP1 Antibody; Aminoacyl tRNA synthase complex-interacting multifunctional protein 1; Multisynthase complex auxiliary component p43; Endothelial monocyte-activating polypeptide 2; EMAP-2; Endothelial monocyte-activating polypeptide II; EMAP-II; Small inducible cytokine subfamily E member 1; EMAP2; SCYE1; anti-AIMP1 antibody

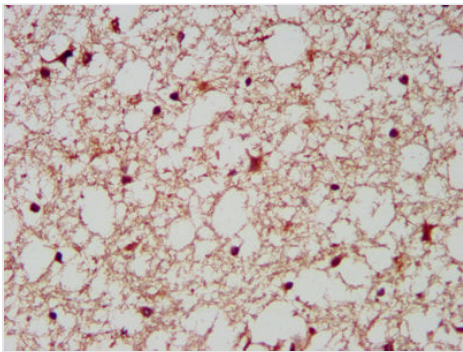
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	312
Applicable Applications for anti-AIMP1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Aminoacyl tRNA synthase complex-interacting multifunctional protein 1 protein (25-180AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

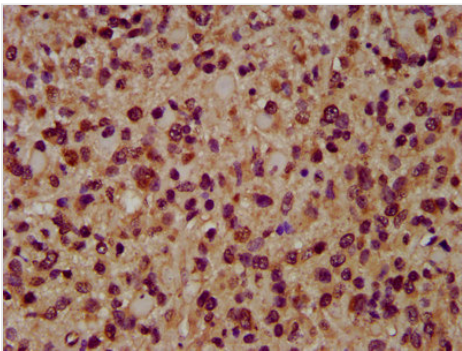
IMAGES



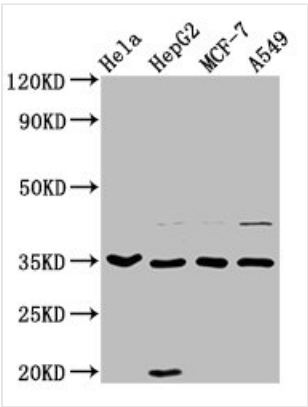
IF (Immunofluorescence)
Immunofluorescence staining of HeLa cells with AAA234628 at 1:66, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)
IHC image of AAA234628 diluted at 1:200 and staining in paraffin-embedded human brain tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)
IHC image of AAA234628 diluted at 1:200 and staining in paraffin-embedded human glioma cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)
Western BlotPositive WB detected in: HeLa whole cell lysate, HepG2 whole cell lysate, MCF-7 whole cell lysate, A549 whole cell lysateAll lanes: AIMP1 antibody at 3.7ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 35, 38 KDaObserved band size: 35 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-AIMP1 antibody	Non-catalytic component of the multisynthase complex. Stimulates the catalytic activity of cytoplasmic arginyl-tRNA synthase. Binds tRNA. Possesses inflammatory cytokine activity. Negatively regulates TGF-beta signaling through stabilization of SMURF2 by binding to SMURF2 and inhibiting its SMAD7-mediated degradation. Involved in glucose homeostasis through induction of glucagon secretion at low glucose levels. Promotes dermal fibroblast proliferation and wound repair. Regulates KDELR1-mediated retention of HSP90B1/gp96 in the endoplasmic reticulum. Plays a role in angiogenesis by inducing endothelial cell migration at low concentrations and endothelial cell apoptosis at high concentrations. Induces maturation of dendritic cells and monocyte cell adhesion. Modulates endothelial cell responses by degrading HIF-1A through interaction with PSMA7.
Product Categories/Family for anti-AIMP1 antibody	Epigenetics and Nuclear Signaling; Cancer; Cardiovascular; Cell biology; Tags & Cell Markers; Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	215490009
NCBI GeneID	9255
NCBI Accession #	NP_001135887.1
NCBI GenBank Nucleotide #	NM_001142415.1

UniProt Accession #	Q12904; Q6FG28; Q96CQ9; B3KTR2; B4E1S7
Molecular Weight	37,039 Da
NCBI Official Full Name	aminoacyl tRNA synthase complex-interacting multifunctional protein 1 isoform a
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
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

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://www.aaabiotech.com/polyclonal/aimp1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/234628>