

Rabbit anti-Human, Mouse AIMP1/EMAPII/SCYE1 Polyclonal Antibody | anti-AIMP1/EMAPII/SCYE1 antibody

Rabbit anti-AIMP1/EMAPII/SCYE1 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212995	Rabbit	Human, Mouse	Immunohistochemistry, Immunoprecipitation, Western Blot

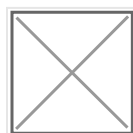
PRODUCT SYNONYMS

AIMP1/EMAPII/SCYE1; Polyclonal Antibody; Rabbit anti-AIMP1/EMAPII/SCYE1 Antibody; Affinity Purified; HLD3; SCYE1; p43; multisynthase complex auxiliary component p43; endothelial-monocyte activating polypeptide II; endothelial monocyte-activating polypeptide 2; EMAPII; EMAP2; ARS-interacting multifunctional protein 1; aminoacyl tRNA synthase complex-interacting multifunctional protein 1; small inducible cytokine subfamily E; member 1 (endothelial monocyte-activating); multisynthetase complex auxiliary component p43; Aminoacyl tRNA synthase complex-interacting multifunctional protein 1; aminoacyl tRNA synthetase complex interacting multifunctional protein 1; anti-AIMP1/EMAPII/SCYE1 antibody

PRODUCT SPECIFICATIONS

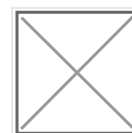
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-AIMP1/EMAPII/SCYE1 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 262 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human and mouse AIMP1/EMAPII by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-AIMP1/EMAPII antibody AAA212995 (lot AAA212995-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)

Detection of human AIMP1/EMAPII by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-AIMP1/EMAPII antibody AAA212995 (lot AAA212995-1) used for IP at 6 ug per reaction. AIMP1/EMAPII was also immunoprecipitated by rabbit anti-AIMP1/EMAPII antibody A304-894A. For blotting immunoprecipitated AIMP1/EMAPII, AAA212995 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IHC (Immunohistochemistry)

Detection of human AIMP1/EMAPII by immunohistochemistry. Sample: FFPE section of human prostate carcinoma. Antibody: Affinity purified rabbit anti-AIMP1/EMAPII (Cat. No. AAA212995 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-AIMP1/EMAPII/SCYE1 antibody	Aminoacyl tRNA synthase complex-interacting multifunctional protein 1 (AIMP1) 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 cell [taken from NCBI Entrez Gene (Gene ID: 9255)].
Product Categories/Family for anti-AIMP1/EMAPII/SCYE1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	215490007
NCBI GeneID	9255
NCBI Accession #	NP_004748.2
NCBI GenBank Nucleotide #	NM_004757
UniProt Accession #	Q12904; Q6FG28; Q96CQ9; B3KTR2; B4E1S7
Molecular Weight	37,039 Da
NCBI Official Full Name	Homo sapiens aminoacyl tRNA synthetase complex-interacting multifunctional protein 1 (AIMP1), transcript variant 1, mRNA
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;
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.