

Mouse anti-Human AIMP1 Monoclonal Antibody | anti-AIMP1 antibody

AIMP1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48207	Mouse	Human	Immunofluorescence, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

AIMP1; Monoclonal Antibody; AIMP1 antibody; Aminoacyl tRNA synthase complex-interacting multifunctional protein 1; EMAP2; EMAPII; p43; SCYE1; anti-AIMP1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	AT6D10
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	336
Applicable Applications for anti-AIMP1 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human AIMP1 (1-336aa) purified from E. coli
Clone Note	Anti-human AIMP1 mAb, clone AT6D10, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human AIMP1 protein.
Preparation and Storage	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometry analysis of AIMP1 in Hep3B cell line, staining at 2-5ug for 1x10⁶ cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).



IF (Immunofluorescence)

ICC/IF analysis of AIMP1 in Hep3B cells. The cell was stained with AAA48207 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



WB (Western Blot)

The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human AIMP1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : HeLa cell lysate Lane 2. : HepG2 cell lysate Lane 3. : Raji cell lysate Lane 4. : Jurkat cell lysate Lane 5. : A549 cell lysate Lane 6. : HaCaT cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-AIMP1 antibody	AIMP1, also known as p43, hasn't until recently been recognized for its prominent immunological functions. Together with other nonenzymatic mARS structural components AIMP2/38 and AIMP3/p18, it participates in the machinery responsible for cell-cycle control and tumor suppression.
Product Categories/Family for anti-AIMP1 antibody	Apoptosis
References	Liang D., et al. (2015) Int Rev Immunol. 34 (5): 367-381.; Hong SH., et al. (2015) Biomaterials. 44: 45-54.

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	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
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/aimp1-antibody-clone-at6d10-immunofluorescence-flow-cytometry-western-blot-elisa/48207>