

Datasheet for ABIN2856055

anti-AIMP1 antibody**3** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	AIMP1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AIMP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human AIMP1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to AIMP1 (aminoacyl tRNA synthetase complex-interacting multifunctional protein 1) AIMP1 antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	AIMP1
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Target Details

Alternative Name:	aminoacyl tRNA synthetase complex interacting multifunctional protein 1 (AIMP1 Products)
Background:	<p>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.</p> <p>Cellular Localization: Nucleus , Cytoplasm , cytosol , Cytoplasmic vesicle , secretory vesicle , Secreted , Endoplasmic reticulum , Golgi apparatus</p>
Molecular Weight:	34 kDa
Gene ID:	9255
UniProt:	Q12904

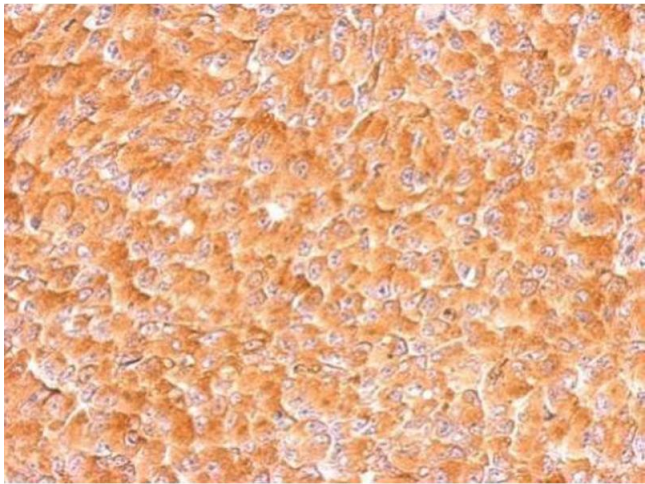
Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: H1299 , HepG2
Restrictions:	For Research Use only

Handling

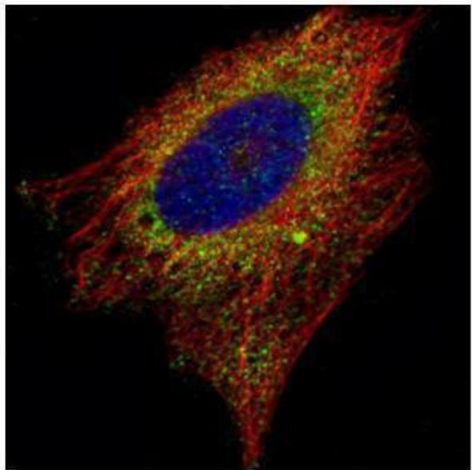
Format:	Liquid
Concentration:	0.54 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage

(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



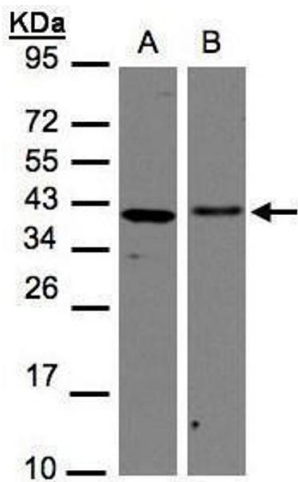
Immunohistochemistry

Image 1. IHC-P Image AIMP1 antibody detects SCYE1 protein at cytosol on H1299 xenograft by immunohistochemical analysis. Sample: Paraffin-embedded H1299 xenograft. AIMP1 antibody , dilution: 1:500.



Immunofluorescence

Image 2. ICC/IF Image Confocal immunofluorescence analysis (Olympus FV10i) of paraformaldehyde-fixed HeLa, using AIMP1, antibody (Green) at 1:500 dilution. Alpha-tubulin filaments were labeled with (Red) at 1:2000.



Western Blotting

Image 3. WB Image Sample(30 µg of whole cell lysate) A:H1299 B:Hep G2, 12% SDS PAGE antibody diluted at 1:1000