BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
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Anti-AIMP1 Antibody

Catalog Number: A03109

About AIMP1

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).

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Overview

Product Name	Anti-AIMP1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-AIMP1 Antibody (Catalog # A03109). Tested in ELISA, WB, IHC-P applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IHC-P, WB
Clonality	Polyclonal
Formulation	AIMP1 antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	AIMP1 antibody can be stored at 4°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q12904

Technical Details

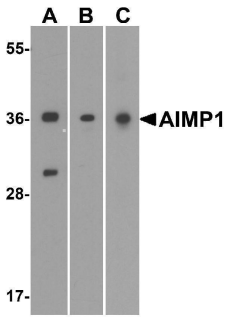
Immunogen	AIMP1 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human AIMP1. The immunogen is located within amino acids 240 - 290 of AIMP1.
Predicted Reactive Species	Chicken
Cross Reactivity	AIMP1 antibody is human, mouse and rat reactive. At least two isoforms of AIMP1 are known to exist; this antibody will recognize both isoforms. AIMP1 antibody is predicted to not cross-react

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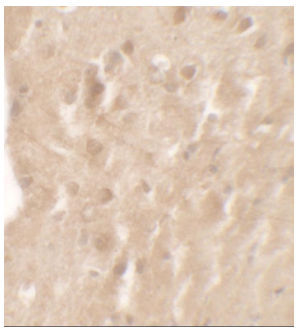
	with AIMP2.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	AIMP1 antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	AIMP1 antibody can be used for detection of AIMP1 by Western blot at 1 ug/ml. Antibody validated: Western Blot in human, mouse, and rat samples and Immunohistochemistry in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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Anti-AIMP1 Antibody (A03109) Images



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



Immunohistochemistry of AIMP1 in mouse brain tissue with AIMP1 antibody at 5 ug/mL.

Anti-AIMP1 Antibody

For Research Use Only. Not for use in diagnostic procedures.