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Datasheet for ABIN759656 **anti-AIMP1 antibody (AA 201-300)**

Overview

Quantity:	100 µL
Target:	AIMP1
Binding Specificity:	AA 201-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AIMP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human EMAP2
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Pig,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	AIMP1
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Target Details

Alternative Name:	EMAP2 (AIMP1 Products)
Background:	<p>Synonyms: AIMP 1, Aimp1, AIMP1/p43, AIMP1_HUMAN , Aminoacyl tRNA synthetase complex-interacting multifunctional protein 1, ARS interacting multifunctional protein 1, ARS-interacting multifunctional protein 1, EMAP 2, EMAP-2, EMAP-II, EMAP II, EMAP2, EMAPII, Endothelial monocyte activating polypeptide 2, Endothelial Monocyte Activating Polypeptide, Endothelial monocyte-activating polypeptide 2, Endothelial monocyte-activating polypeptide II, Multisynthase complex auxiliary component p43, Multisynthetase complex auxiliary component p43, p43 antibody Scye 1, Scye1, Small Inducible Cytokine Subfamily E Member 1, Small inducible cytokine subfamily E, member 1 endothelial monocyte-activating.</p> <p>Background: 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 KDELRL1-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.</p>
Gene ID:	9255

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
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Handling

Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months