

Datasheet for ABIN7143994
anti-AIMP1 antibody (AA 25-180)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µL
Target:	AIMP1
Binding Specificity:	AA 25-180
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AIMP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant Human Aminoacyl tRNA synthase complex-interacting multifunctional protein 1 protein (25-180AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	AIMP1
Alternative Name:	AIMP1 (AIMP1 Products)
Background:	Background: Non-catalytic component of the multisynthase complex. Stimulates the catalytic

Target Details

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 KDELR1-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.

Aliases: AIMP 1 antibody, Aimp1 antibody, AIMP1/p43 antibody, AIMP1_HUMAN antibody, Aminoacyl tRNA synthetase complex-interacting multifunctional protein 1 antibody, ARS interacting multifunctional protein 1 antibody, EMAP 2 antibody, EMAP-2 antibody, EMAP-II antibody, EMAP2 antibody, EMAPII antibody, Endothelial monocyte activating polypeptide 2 antibody, Endothelial monocyte activating polypeptide antibody, Endothelial monocyte-activating polypeptide 2 antibody, Endothelial monocyte-activating polypeptide II antibody, HLD3 antibody, Multisynthase complex auxiliary component p43 antibody, Multisynthetase complex auxiliary component p43 antibody, OTTHUMP00000219673 antibody, p43 antibody, Scye 1 antibody, Scye1 antibody, Scye1, formerly antibody, Small inducible cytokine subfamily E member 1 antibody, Small inducible cytokine subfamily E, member 1 (endothelial monocyte-activating) antibody, Small inducible cytokine subfamily E, member 1, formerly antibody

UniProt: [Q12904](#)

Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200, IP:1:200-1:2000,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

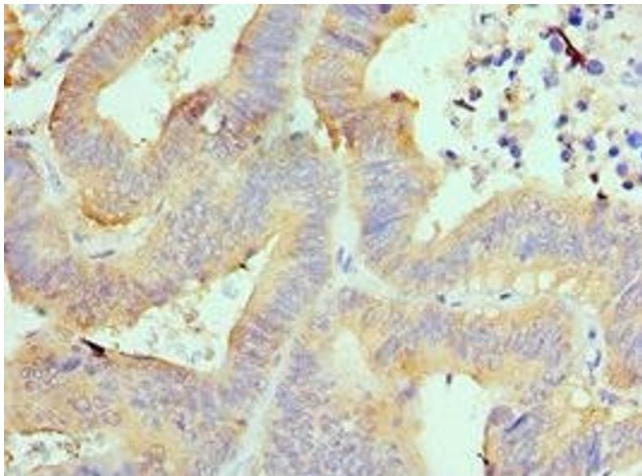
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Handling

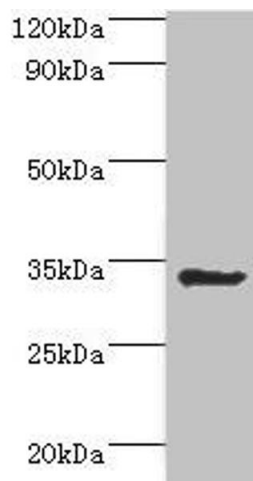
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



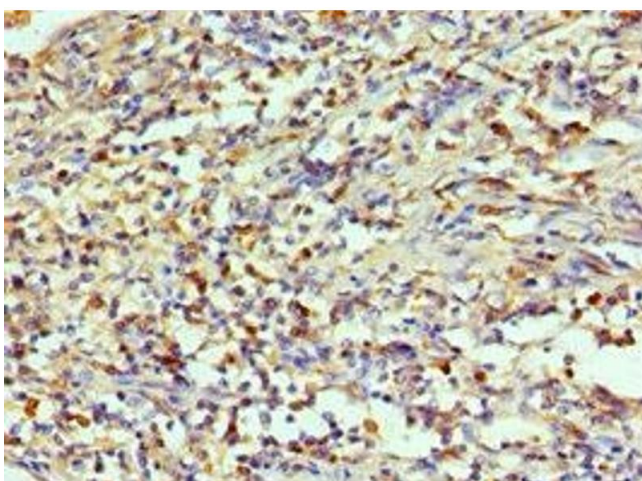
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human colon cancer using ABIN7143994 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: Aminoacyl tRNA synthase complex-interacting multifunctional protein 1 antibody at 2 µg/mL + HepG2 whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 35, 38 kDa Observed band size: 35 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human cervical cancer using ABIN7143994 at dilution of 1:100