

Rabbit anti-Human AIMP2 Polyclonal Antibody | anti-AIMP2 antibody

AIMP2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40555	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

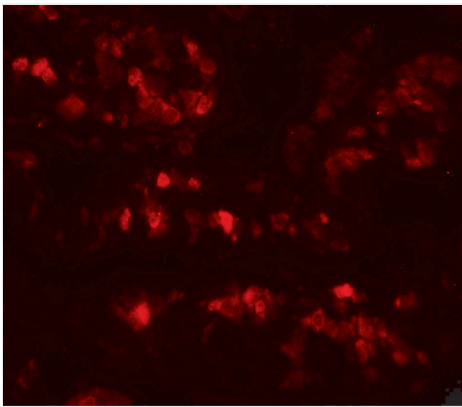
PRODUCT SYNONYMS

AIMP2; Polyclonal Antibody; AIMP2 Antibody; P38; JTV1; JTV-1; PRO0992; Aminoacyl tRNA synthase complex-interacting multifunctional protein 2; Multisynthase complex auxiliary component p38; aminoacyl tRNA synthetase complex-interacting multifunctional protein 2; anti-AIMP2 antibody

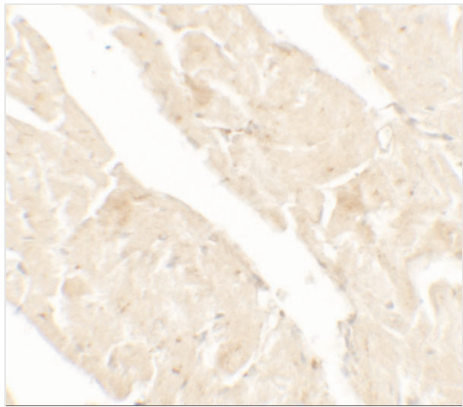
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	AIMP2 antibody is human specific. AIMP2 antibody is predicted to not cross-react with AIMP1.
Purity/Purification	AIMP2 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	320
Applicable Applications for anti-AIMP2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	AIMP2 antibody was raised against a 16 amino acid peptide near the center of human AIMP2.
Buffer	AIMP2 antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	AIMP2 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

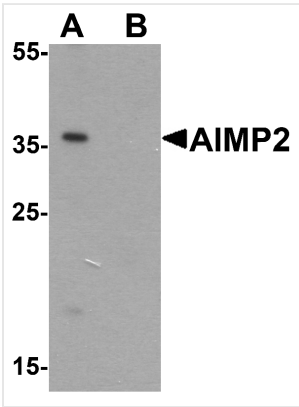
IMAGES



IF (Immunofluorescence)
Immunofluorescence of AIMP2 in rat small intestine tissue with AIMP2 antibody at 20 μ g/mL.



IHC (Immunohistochemistry)
Immunohistochemistry of AIMP2 in rat small intestine tissue with AIMP2 antibody at 5 μ g/mL.



WB (Western Blot)
Western blot analysis of AIMP2 in HeLa cell lysate with AIMP2 antibody at 1 μ g/ml in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-AIMP2 antibody	AIMP2 was initially identified as a part of an aminoacyl-tRNA synthetase complex (1). It was later discovered to be a cofactor and substrate of Parkin, a Ring-type E3 ubiquitin ligase that is important for the survival of dopamine neurons in Parkinson's disease; accumulation of AIMP2 in these cells lead to catecholaminergic cell death (2). AIMP2 can also bind to TRAF2, a key player in the TNF- α signaling pathway, causing the ubiquitination of TRAF2 by cIAP1, leading to TNF- α -dependent apoptosis (3). Finally, AIMP2 has been suggested to function as a tumor suppressor (4).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11125770
NCBI GeneID	7965
NCBI Accession #	NP_006294
NCBI GenBank Nucleotide #	NM_006303.3
UniProt Accession #	Q13155; Q75MR1; Q96CZ5; Q9P1L2
Molecular Weight	Predicted: 35 kDa Observed: 36 kDa
NCBI Official Full Name	aminoacyl tRNA synthase complex-interacting multifunctional protein 2

NCBI Official Synonym Full Names	aminoacyl tRNA synthetase complex-interacting multifunctional protein 2
NCBI Official Symbol	AIMP2
NCBI Official Synonym Symbols	P38; JTV1; JTV-1; PRO0992
NCBI Protein Information	aminoacyl tRNA synthase complex-interacting multifunctional protein 2; protein JTV-1; ARS-interacting multi-functional protein 2; multisynthase complex auxiliary component p38; multisynthetase complex auxiliary component p38
UniProt Protein Name	Aminoacyl tRNA synthase complex-interacting multifunctional protein 2
UniProt Gene Name	AIMP2
UniProt Synonym Gene Names	JTV1
UniProt Entry Name	AIMP2_HUMAN

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://www.aaabiotech.com/polyclonal/aimp2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40555>