# 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

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|---|---|
| **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 μg/mL.

**IHC (Immunohiostchemistry)**
Immunohistochemistry of AIMP2 in rat small intestine tissue with AIMP2 antibody at 5 μg/mL.

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

## ADDITIONAL INFORMATION

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| **Related Product Information for anti-AIMP2 antibody** | AIMP2 was initially identified as a part of an aminoacyl-tRNA synthesase 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-alpha signaling pathway, causing the ubiquitination of TRAF2 by cIAP1, leading to TNF-alpha-dependent apoptosis (3). Finally, AIMP2 has been suggested to function as a tumor suppressor (4). |

## NCBI AND UNIPROT INFORMATION

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| **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<br><br>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://stage.aaabiotech.com/polyclonal/aimp2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40555