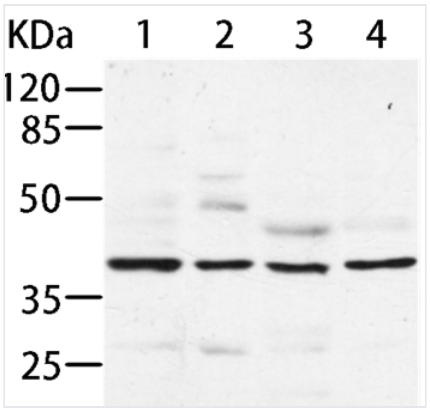
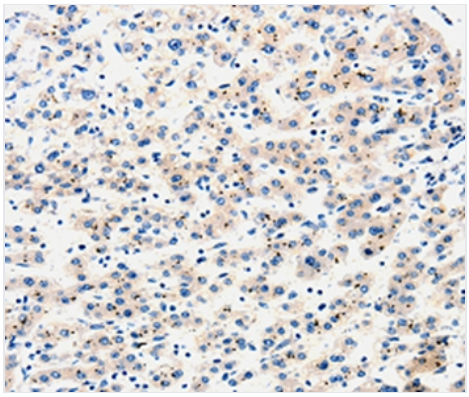
AIMP2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	AIMP2, Polyclonal Antibody
Full Product Name	AIMP2 Antibody
Product Gene Name	anti-AIMP2 antibody
Product Synonym Names	P38; JTV1; JTV-1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.3 PBS, 0.05% NaN3, 50% Glycerol.
Purity/Purification	Antigen affinity purification.
Concentration	0.5 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total AIMP2 protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	35,349 Da
OMIM	600859
3D Structure	ModBase 3D Structure for Q13155
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to residues near the N terminal of human Aminoacyl tRNA synthase complex-interacting multifunctional protein 2
Target Name	AIMP2
Product Categories/Family for anti-AIMP2 antibody	Total protein Ab
Applications Tested/Suitable for anti-AIMP2 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-AIMP2 antibody	Western blotting: 1:200-1:1000 Immunohistochemistry: 1:10-1:50
Related Product Information for anti-AIMP2 antibody	The JTV1 gene is located on chromosome 7p22 flanked by two genes, HRI and PMS2. JTV1 and HRI overlap slightly and are arranged in a tail-to-tail fashion. JTV1 and PMS2 are separated by approximately 200 base pairs and are arranged head-to-head. JTV1 is transcribed in the opposite direction compared to HRI and PMS2. The function of the JTV1 gene product is unknown.
Other Notes	Small volumes of anti-AIMP2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for AIMP2 purchase	MBS9404552 is an antibody targeting AIMP2. Also known as AIMP2 Antibody. Reactive in Human. Host: Rabbit.



Testing Data of anti-AIMP2 antibody
Gel: 8%SDS-PAGE Lysates (from left to right): Hela, HepG2, MCF-7 and HT-29 cell Amount of lysate: 40ug per lane Primary antibody: 1/200 dilution Secondary antibody dilution: 1/8000 Exposure time: 1 minute



Immunohistochemistry (IHC) of anti-AIMP2 antibody
Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue using at dilution 1/25.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AIMP2. It may not necessarily be applicable to this product.

NCBI GI #	11125770
NCBI GeneID	7965
NCBI Accession #	NP_006294.2
UniProt Primary Accession #	Q13155
UniProt Secondary Accession #	Q75MR1; Q96CZ5; Q9P1L2
UniProt Related Accession #	Q13155
GenBank Nucleotide #	NM_006303.3
NCBI Official Full Name	aminoacyl tRNA synthase complex-interacting multifunctional protein 2 isoform a
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
UniProt Protein Name	Aminoacyl tRNA synthase complex-interacting multifunctional protein 2
UniProt Synonym Protein Names	Multisynthase complex auxiliary component p38; Protein JTV-1
Protein Family	Aminoacyl tRNA synthase complex-interacting multifunctional protein
UniProt Gene Name	AIMP2
UniProt Synonym Gene Names	JTV1
UniProt Entry Name	AIMP2_HUMAN
NCBI Protein Information	aminoacyl tRNA synthase complex-interacting multifunctional protein 2
NCBI Summary for AIMP2	The protein encoded by this gene is part of the aminoacyl-tRNA synthetase complex, which contains nine different aminoacyl-tRNA synthetases and three non-enzymatic factors. The encoded protein is one of the non-enzymatic factors and is required for assembly and stability of the complex. [provided by RefSeq, May 2016]

UniProt Comments for AIMP2	JTV1: Required for assembly and stability of the aminoacyl- tRNA synthase complex. Mediates ubiquitination and degradation of FUBP1, a transcriptional activator of MYC, leading to MYC down- regulation which is required for aveolar type II cell differentiation. Blocks MDM2-mediated ubiquitination and degradation of p53/TP53. Functions as a proapoptotic factor. Chromosomal Location of Human Ortholog: 7p22 Cellular Component: membrane; nucleus; cytosol Molecular Function: protein binding Biological Process: negative regulation of cell proliferation; tRNA aminoacylation for protein translation; apoptosis; positive regulation of protein ubiquitination; gene expression
Research Articles on AIMP2	**1.** analysis of the heterotetrameric complex structure of the glutathione transferase (GST) domains shared among the four MSC components, methionyl-tRNA synthetase (MRS), glutaminyl-prolyl-tRNA synthetase (EPRS), AIMP2 and AIMP3
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/aimp2/9404552