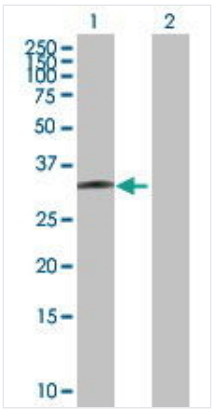
AIMP2 Antibody – Mouse Polyclonal

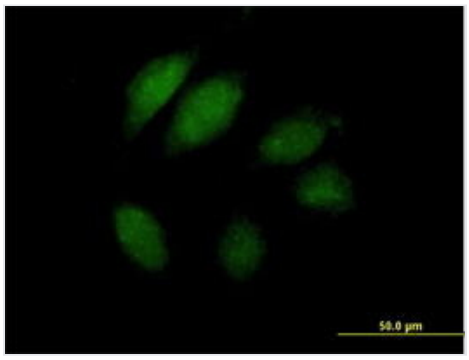
PRODUCT OVERVIEW

Product Name	JTV1 (AIMP2), Polyclonal Antibody
Full Product Name	JTV1 (Aminoacyl tRNA Synthase Complex-interacting Multifunctional Protein 2, Multisynthetase Complex Auxiliary Component p38, Protein JTV-1, PRO0992)
Product Gene Name	anti-AIMP2 antibody
Product Synonym Names	Anti -JTV1 (Aminoacyl tRNA Synthase Complex-interacting Multifunctional Protein 2, Multisynthetase Complex Auxiliary Component p38, Protein JTV-1, PRO0992)
Immunogen Sequence	MPMYQVKPYH GGGAPLRVEL PTCMYRLPNV HGRSYGPAPG AGHVQEESNL SLQALESRQD DILKRLYELK AAVDGLSKMI QTPDADLDVT NIIQADEPTT LTTNALDLNS VLGKDYGALK DIVINANPAS PPLSLLVLHR LLCEHFRVLS TVHTHSSVKS VPENLLKCFG EQNKKQPRQD YQLGFTLIWK NVPKTQMKFS IQTMCPIEGE GNIARFLFSL FGQKHNAVNA TLIDSWVDIA IFQLKEGSSK EKAAVFRSMN SALGKSPWLA GNELTVADVV LWSVLQQIGG CSVTVPANVQ RWMRSCENLA PFNTALKLLK
Clonality	Polyclonal
Isotype	IgG
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Recognizes human JTV1.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	35,349 Da
Chromosome Location	Chromosome: 7; NC_000007.13 (6048882..6063465). Location: 7p22
OMIM	600859
3D Structure	ModBase 3D Structure for Q13155
Immunogen	Full length human JTV1, aa1-320 (NP_006294.2).
Product Categories/Family for anti-AIMP2 antibody	Antibodies; Abs to Proteins
Applications Tested/Suitable for anti-AIMP2 antibody	Western Blot (WB), Immunofluorescence (IF)
Application Notes for anti-AIMP2 antibody	Suitable for use in Immunofluorescence and Western Blot. Dilution: Immunofluorescence: 10ug/ml
Related Product Information for anti-AIMP2 antibody	JTV1 is probable core protein of the multisynthetase complex that serves as a template for the assembly of the supramolecular structure. This protein Mediates ubiquitination of FUBP1 and its degradation by the proteasome.
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	MBS6008247 is an antibody targeting AIMP2. Also known as JTV1 (Aminoacyl tRNA Synthase Complex-interacting Multifunctional Protein 2, Multisynthetase Complex Auxiliary Component p38, Protein JTV-1, PRO0992). Reactive in Human. Host: Mouse.



Western Blot (WB) of anti-AIMP2 antibody
Western Blot analysis of JTV1 expression in transfected 293T cell line by JTV1 polyclonal antibody. Lane 1: JTV1 transfected lysate (35.2kD). Lane 2: Non-transfected lysate.



Immunofluorescence (IF) of anti-AIMP2 antibody
Immunofluorescence of purified antibody to JTV1 on HeLa cell. [antibody concentration 10ug/ml]

ADDITIONAL DETAILS

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

NCBI GI #	119575456
NCBI GeneID	7965
NCBI Accession #	EAW55054.1
UniProt Primary Accession #	Q13155
UniProt Secondary Accession #	Q75MR1; Q96CZ5; Q9P1L2
UniProt Related Accession #	Q13155
NCBI Official Full Name	JTV1 gene, isoform CRA_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; PRO0992
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; protein JTV-1; ARS-interacting multi-functional protein 2; multisynthase complex auxiliary component p38; multisynthetase complex auxiliary component p38
NCBI Summary for AIMP2	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. [provided by RefSeq, Jul 2008]

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.** AIMP2-DX2, a splicing variant of tumor suppressor AIMP2, can be a therapeutic target to control chemoresistant epithelial ovarian cancer .
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