JTV1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	JTV1, Polyclonal Antibody
Full Product Name	JTV1 (Center) Rabbit pAb
Product Gene Name	anti-JTV1 antibody
Product Synonym Names	Aminoacyl tRNA synthase complex-interacting multifunctional protein 2; Multisynthase complex auxiliary component p38; Protein JTV-1; AIMP2; JTV1
Clonality	Polyclonal
Isotype	Ig
Clone Number	RB17662
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in PBS with 0.09% (W/V) Sodium Azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Purity/Purification	Affinity Purified
OMIM	600859
3D Structure	ModBase 3D Structure for Q13155
Immunogen	This JTV1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 156-184 amino acids from the central region of human JTV1.
Cellular Localization	Cytoplasm, Nucleus
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-JTV1 antibody	Western Blot (WB)
Application Notes for anti-JTV1 antibody	WB: 1:1000
Related Product Information for anti-JTV1 antibody	MBS8553913 is an antibody targeting JTV1. Also known as JTV1 (Center) Rabbit pAb. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-JTV1 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for JTV1. It may not necessarily be applicable to this product.

NCBI GI #	11125770
NCBI GeneID	7965
NCBI Accession #	NP_006294
UniProt Primary Accession #	Q13155

UniProt Related Accession #	Q13155
GenBank Nucleotide #	NP_006294.2
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; HLD17; 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
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 JTV1	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 JTV1	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; positive regulation of protein ubiquitination; apoptosis; gene expression
Research Articles on JTV1	**1.** AIMP2-DX2 plays an important role in the regulation of Nasopharyngeal carcinoma.
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