

JTV1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP2861a**Specification**

JTV1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q13155](#)**JTV1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 7965**Other Names**

Aminoacyl tRNA synthase complex-interacting multifunctional protein 2, Multisynthase complex auxiliary component p38, Protein JTV-1, AIMP2, JTV1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2861a](/products/AP2861a) was selected from the N-term region of human JTV1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

JTV1 Antibody (N-term) Blocking Peptide - Protein Information**Name** AIMP2**Synonyms** JTV1**Function**

Required for assembly and stability of the aminoacyl-tRNA synthase complex (PubMed: [19131329](http://www.uniprot.org/citations/19131329)). Mediates ubiquitination and degradation of FUBP1, a transcriptional activator of MYC, leading to MYC down-regulation which is required for alveolar type II cell differentiation. Blocks MDM2-mediated ubiquitination and degradation of p53/TP53. Functions as a proapoptotic factor.

Cellular Location

Cytoplasm, cytosol. Nucleus {ECO:0000250|UniProtKB:Q8R010}. Note=Following DNA damage, dissociates from the aminoacyl-tRNA synthase complex and translocates from the cytoplasm to

the nucleus. {ECO:0000250|UniProtKB:Q8R010}

JTV1 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

JTV1 Antibody (N-term) Blocking Peptide - Images

JTV1 Antibody (N-term) Blocking Peptide - Background

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.

JTV1 Antibody (N-term) Blocking Peptide - References

Nicolaides N.C., Kinzler K.W., Vogelstein B. Genomics 29:329-334(1995) Kim M.J., Park B.-J., Kang Y.-S., Kim H.J., Park J.-H., Kang J.W., Lee S.W., Nat. Genet. 34:330-336(2003)