

For Research Use Only

# JTV1 Monoclonal antibody, PBS Only

Catalog Number: 66848-1-PBS



## Basic Information

<b>Catalog Number:</b> 66848-1-PBS	<b>GenBank Accession Number:</b> BC002853	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7965	<b>CloneNo.:</b> 1D6B5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q13155	
<b>Isotype:</b> IgG2b	<b>Full Name:</b> JTV1 gene	
<b>Immunogen Catalog Number:</b> AG0675	<b>Calculated MW:</b> 36 kDa	
	<b>Observed MW:</b> 32-36 kDa	

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

**Species Specificity:**  
Human, mouse, rat

## Background Information

JTV1, also named p38, AIMP2, was first known as a factor associated with macromolecular protein complex, which consists several different aminoacyl-tRNA synthetases. JTV1 is a scaffold protein required for the assembly and stability of the multi-tRNA synthetase complex. JTV1 could act as a mediator of TGF-beta signaling and its functional importance in the control of MYC during lung differentiation. Blocks MDM2-mediated ubiquitination and degradation of p53/TP53. Functions as a proapoptotic factor.

## Storage

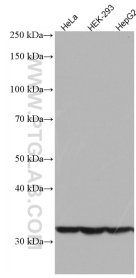
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

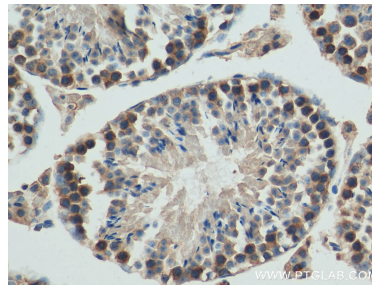
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66848-1-Ig (JTV1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66848-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 66848-1-Ig (JTV1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66848-1-PBS in a different storage buffer formulation.