

For Research Use Only

JTV1 Polyclonal antibody

Catalog Number: 10424-1-AP

Featured Product

28 Publications



Basic Information

Catalog Number:

10424-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0675

GenBank Accession Number:

BC002853

GeneID (NCBI):

7965

UNIPROT ID:

Q13155

Full Name:

JTV1 gene

Calculated MW:

36 kDa

Observed MW:

35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB : HepG2 cells, HeLa cells, K-562 cells, NIH/3T3 cells, rat liver tissue, L02 cells

IP : HeLa cells,

IHC : mouse cerebellum tissue, human kidney tissue, mouse testis tissue

IF/ICC : HeLa cells, HepG2 cells

Note-IHC: suggested antigen retrieval with **TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

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. This is a rabbit polyclonal antibody raised against full-length of JTV1. There're two isoforms of JTV1 with MW about 27 kDa and 35 kDa,

Notable Publications

Author	Pubmed ID	Journal	Application
Ko Han Seok HS	20823226	Proc Natl Acad Sci U S A	WB
Krishnendu Khan	36037331	Proc Natl Acad Sci U S A	WB
Hyojung Kim	28972555	Int J Mol Sci	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

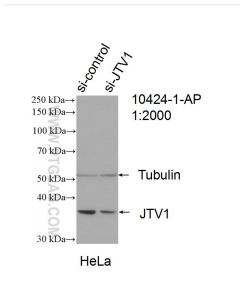
T: 4006900926

E: Proteintech-CN@ptglab.com

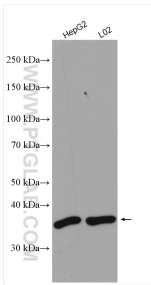
W: ptgcn.com

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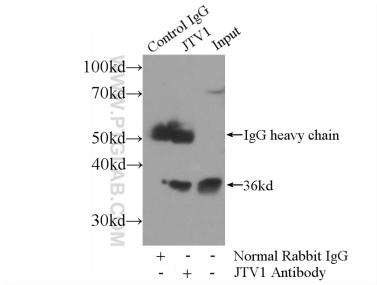
Selected Validation Data



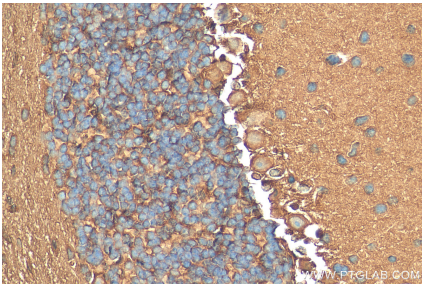
WB result of JTV1 antibody (10424-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-JTV1 transfected HeLa cells.



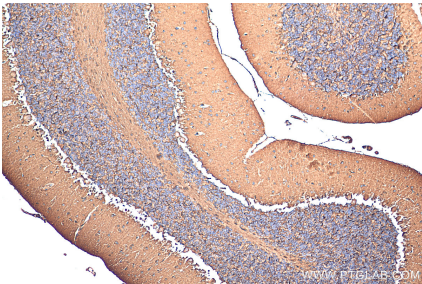
Various lysates were subjected to SDS PAGE followed by western blot with 10424-1-AP (JTV1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



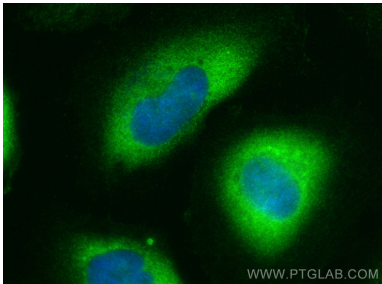
IP result of anti-JTV1 (IP:10424-1-AP, 3ug; Detection:10424-1-AP 1:1000) with HeLa cells lysate 800ug.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 10424-1-AP (JTV1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 10424-1-AP (JTV1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using JTV1 antibody (10424-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).