

For Research Use Only

# JMY Polyclonal antibody

Catalog Number: 25098-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 25098-1-AP	<b>GenBank Accession Number:</b> BC130624	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 133746	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8N9B5	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
<b>Isotype:</b> IgG	<b>Full Name:</b> junction mediating and regulatory protein, p53 cofactor	IHC 1:50-1:500
<b>Immunogen Catalog Number:</b> AG18735	<b>Calculated MW:</b> 988 aa, 111 kDa	IF/ICC 1:10-1:100
	<b>Observed MW:</b> 111 kDa	

## Applications

<b>Tested Applications:</b> WB, IP, IF/ICC, IHC, ELISA	<b>Positive Controls:</b> WB : Jurkat cells, HeLa cells
<b>Cited Applications:</b> WB	IP : Jurkat cells,
<b>Species Specificity:</b> human, mouse, rat	IHC : human colon cancer tissue, human brain tissue
<b>Cited Species:</b> mouse	IF/ICC : HeLa cells,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Junction mediating and regulatory protein(JMY) is a 988 amino acid protein, which contains one WH2 domain and belongs to the JMY family. In nucleus, JMY acts both a nuclear p53/TP53-cofactor and a cytoplasmic regulator of actin dynamics in response to cellular stress. In cytoplasm, JMY acts as a nucleation-promoting factor for both branched and unbranched actin filaments. Due to alternative splicing, several isoforms of JMY are produced, and these various isoforms have different influencing effects on p53 activation, with some isoforms markedly enhancing p53 responses compared to the other splicing variants.

## Notable Publications

Author	Pubmed ID	Journal	Application
Shail Kabrawala	32196488	PLoS Genet	WB

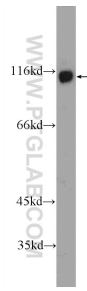
## Storage

**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

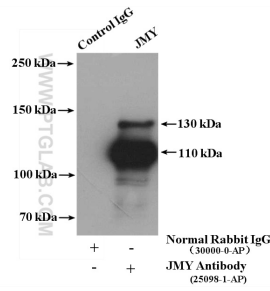
For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

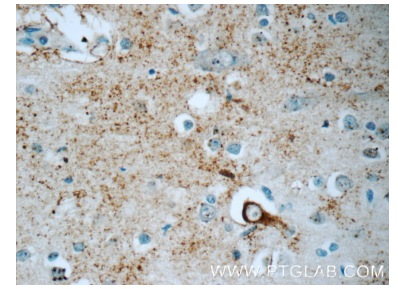
## Selected Validation Data



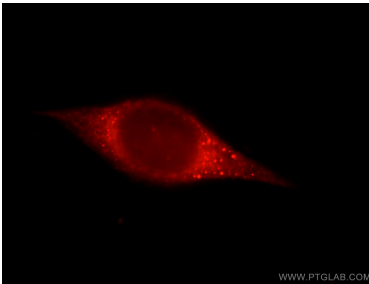
Jurkat cells were subjected to SDS PAGE followed by western blot with 25098-1-AP (JMY Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



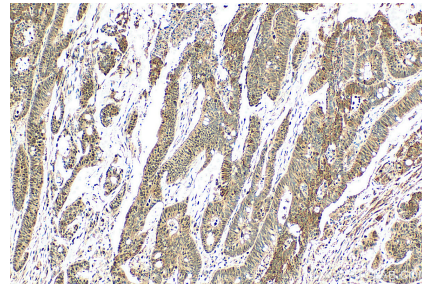
IP result of anti-JMY (IP:25098-1-AP, 4ug; Detection:25098-1-AP 1:600) with Jurkat cells lysate 2400ug.



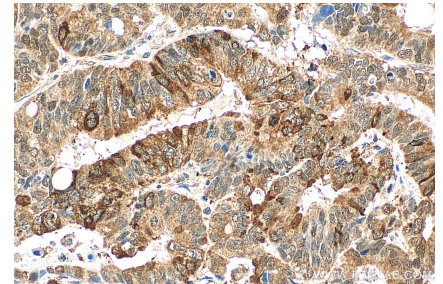
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 25098-1-AP (JMY Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HeLa cells using 25098-1-AP (JMY antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 25098-1-AP (JMY antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 25098-1-AP (JMY antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).