

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> 150ul , Concentration: 1000 µg/ml by Nanodrop and 433 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 133746	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> junction mediating and regulatory protein, p53 cofactor	<b>IHC 1:20-1:200</b> <b>IF 1:10-1:100</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 988 aa, 111 kDa	
<b>Immunogen Catalog Number:</b> AG18735	<b>Observed MW:</b> 111 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> Jurkat cells, HeLa cells
<b>Species Specificity:</b> human, mouse, rat	<b>IP :</b> Jurkat cells,
<b>Cited Species:</b> mouse	<b>IHC :</b> human colon cancer tissue, human brain tissue
	<b>IF :</b> HeLa 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

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

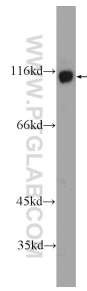
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

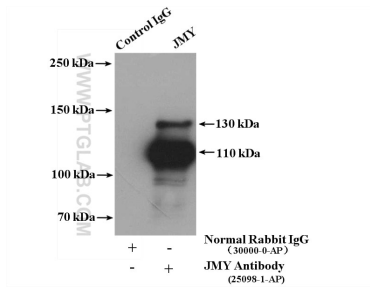
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

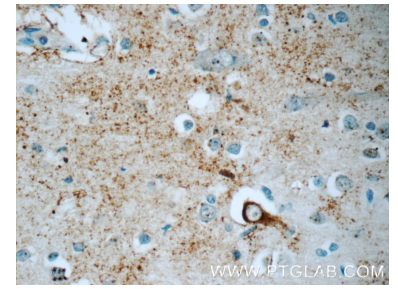
## Selected Validation Data



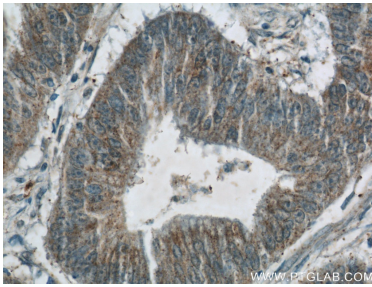
Jurkat cells were subjected to SDS PAGE followed by western blot with 25098-1-AP (JMY Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



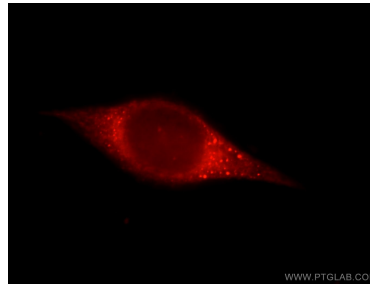
IP Result of anti-JMY (IP:25098-1-AP, 4ug; Detection:25098-1-AP 1:600) with Jurkat cells lysate 2400ug.



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



Immunohistochemical analysis of paraffin-embedded human colon cancer 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.