

For Research Use Only

JMY Polyclonal antibody

Catalog Number: 25098-1-AP

1 Publications



Basic Information

Catalog Number:

25098-1-AP

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 433 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18735

GenBank Accession Number:

BC130624

GeneID (NCBI):

133746

UNIPROT ID:

Q8N9B5

Full Name:

junction mediating and regulatory protein, p53 cofactor

Calculated MW:

988 aa, 111 kDa

Observed MW:

111 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:2000-1:8000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

mouse

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

Positive Controls:

WB: Jurkat cells, HeLa cells

IP: Jurkat cells,

IHC: human colon cancer tissue, human brain tissue

IF/ICC: HeLa cells,

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 affects 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

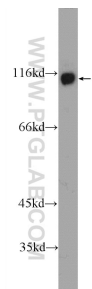
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

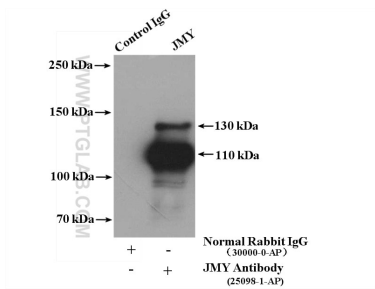
E: proteintech@ptglab.com
W: ptglab.com

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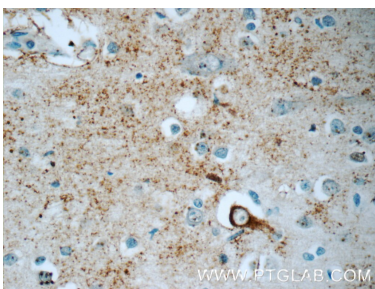
Selected Validation Data



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.



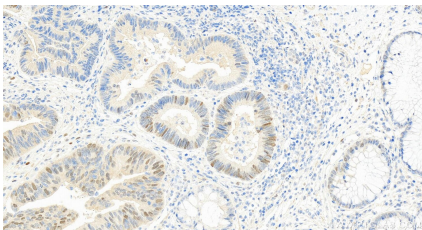
IP result of anti-JMY (IP:25098-1-AP, 4ug; Detection:25098-1-AP 1:600) with Jurkat cells lysate 2400ug.



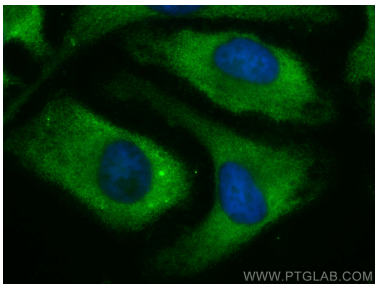
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 25098-1-AP (JMY Antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 25098-1-AP (JMY antibody) at dilution of 1:200 (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 1:4000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using JMY antibody (25098-1-AP) at dilution of 1:200 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).