

For Research Use Only

RtcB-Specific Polyclonal ANTIBODY



Catalog Number: 19809-1-AP

Featured Product

2 Publications

Basic Information

Catalog Number:
19809-1-AP

Size:
27 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG13836

GenBank Accession Number:
BC000151

GeneID (NCBI):
51493

Full Name:
chromosome 22 open reading frame 28

Calculated MW:
55 kDa

Observed MW:
55 kDa

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IF 1:10-1:100

Applications

Tested Applications:

IF, IP, WB, ELISA

Cited Applications:

IP, WB

Species Specificity:

human, mouse

Cited Species:

human

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

Positive Controls:

WB : HeLa cells; HepG2 cells, mouse brain tissue

IP : HeLa cells;

IF : HeLa cells;

Background Information

RTCB (also known as HSPC117, C22orf28, FAAP and D10Wsu52e) is an essential subunit of a tRNA ligase complex that is involved in RNA repair and stress-induced splicing. As a multifunctional protein, RTCB is also a cell adhesion protein and is important in embryo and placenta development. Recently RTCB has been identified as UPR RNA ligase catalyzing unconventional XBP1 mRNA splicing. This antibody specifically recognizes endogenous RTCB protein. (25087875)

Notable Publications

Author	Pubmed ID	Journal	Application
Irem Unlu	30355738	J Biol Chem	WB
Yanyan Lu	25087875	Mbl Cell	WB,IP

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

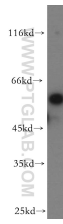
For technical support and original validation data for this product please contact:

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

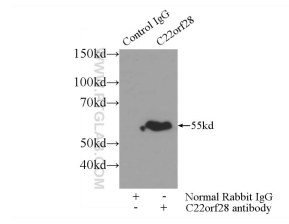
E: proteintech@ptglab.com
W: ptglab.com

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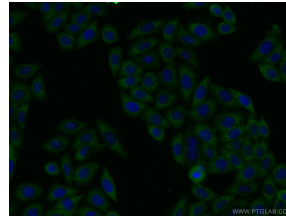
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 19809-1-AP/RtcB-Specific antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours



IP Result of anti-RtcB-Specific (IP: 19809-1-AP, 3ug; Detection: 19809-1-AP 1:500) with HeLa cells lysate 3000ug.



Immunofluorescent analysis of HeLa cells using 19809-1-AP/RtcB-Specific antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)