

For Research Use Only

PTRF Polyclonal antibody

Catalog Number: 30086-1-AP



Basic Information

Catalog Number:

30086-1-AP

Size:

550 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG32786

GenBank Accession Number:

BC008849

GeneID (NCBI):

284119

UNIPROT ID:

Q6NZI2

Full Name:

polymerase I and transcript release factor

Calculated MW:

43 kDa

Observed MW:

55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:16000

IHC 1:800-1:3200

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human, 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 : A549 cells, HT-1080 cells, NIH/3T3 cells

IHC : human stomach tissue,

IF/ICC : HepG2 cells,

Background Information

Polymerase I and transcript release factor (PTRF) is an essential factor in the biogenesis of caveolae, which involve in numerous process, such as signal transduction and membrane and lipid trafficking. PTRF can terminate transcription of RNA Pol I, which involves pausing of transcription by TTF1, and dissociation of the transcription complex, release the complex from the template. The calculated molecular weight of PTRF is 43 kDa, but modified PTRF is about 50-55 kDa. (PMID: 11139612)

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:

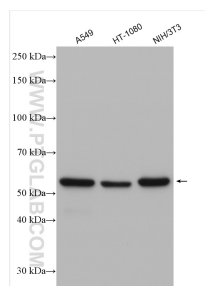
T: 4006900926

E: Proteintech-CN@ptglab.com

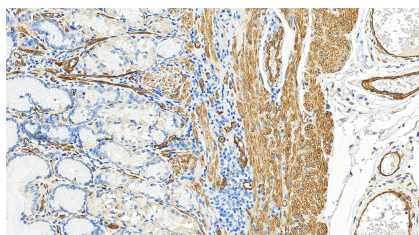
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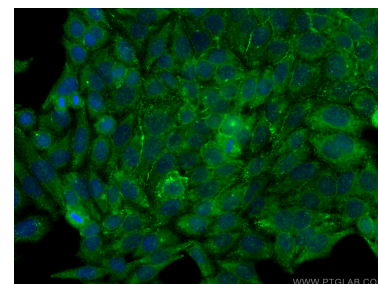
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30086-1-AP (PTRF antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 30086-1-AP (PTRF antibody) at dilution of 1:1600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using PTRF antibody (30086-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).