

For Research Use Only

# PTRF Polyclonal antibody

Catalog Number: 30086-1-AP



## Basic Information

<b>Catalog Number:</b> 30086-1-AP	<b>GenBank Accession Number:</b> BC008849	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 550 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 284119	<b>Recommended Dilutions:</b> WB 1:2000-1:16000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q6NZI2	<b>IHC 1:800-1:3200</b>
<b>Isotype:</b> IgG	<b>Full Name:</b> polymerase I and transcript release factor	<b>IF/ICC 1:200-1:800</b>
<b>Immunogen Catalog Number:</b> AG32786	<b>Calculated MW:</b> 43 kDa	
	<b>Observed MW:</b> 55 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>WB :</b> A549 cells, HT-1080 cells, NIH/3T3 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>	<b>IHC :</b> human stomach tissue,
	<b>IF/ICC :</b> 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

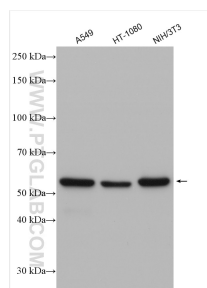
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

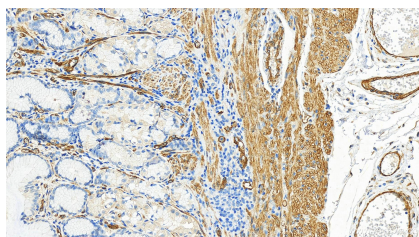
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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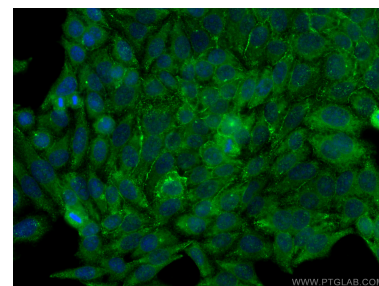
## Selected Validation Data



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).