

For Research Use Only

# SRP54 Polyclonal antibody

Catalog Number: 11729-1-AP

5 Publications



## Basic Information

### Catalog Number:

11729-1-AP

### Size:

387 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2327

### GenBank Accession Number:

BC003389

### GeneID (NCBI):

6729

### UNIPROT ID:

P61011

### Full Name:

signal recognition particle 54kDa

### Calculated MW:

54 kDa

### Observed MW:

54 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:50-1:500

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse

### Cited Species:

human

**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 : human placenta tissue, NIH/3T3 cells

IP : human placenta tissue,

IHC : human breast cancer tissue, human placenta tissue

IF/ICC : HepG2 cells,

## Background Information

The signal recognition particle (SRP) is a ribonucleoprotein complex that mediates the targeting of proteins to the endoplasmic reticulum (ER). The complex consists of a 7S (or 7SL) RNA and 6 different proteins, and signal recognition particle 54 (SRP54) is one of them. SRP54 binds to the signal sequence of presecretory protein as they emerge from the translating ribosomes, and then transfers them to translocating chain-associating membrane protein (TRAM).

## Notable Publications

Author	Pubmed ID	Journal	Application
Dianrong Li	31420216	Mol Cell	
Masashi Ueda	24388981	Biochem Biophys Res Commun	WB
Ren Yong-Feng YF	23468895	PLoS One	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

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

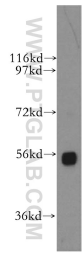
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

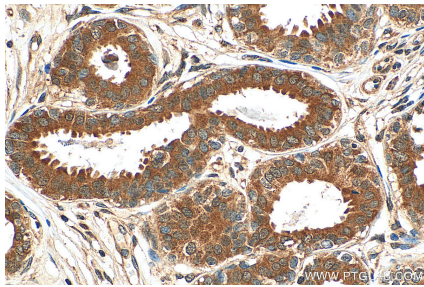
W: [ptgcn.com](http://ptgcn.com)

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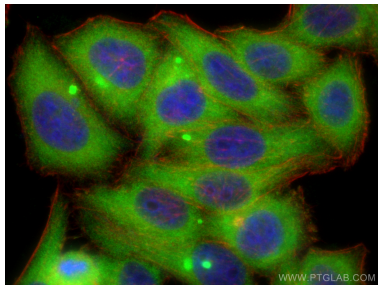
Selected Validation Data



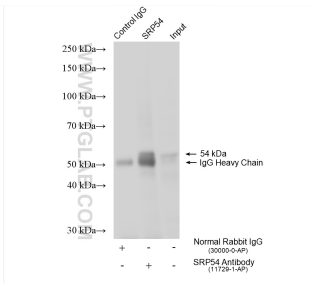
human placenta tissue were subjected to SDS PAGE followed by western blot with 11729-1-AP (SRP54 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 11729-1-AP (SRP54 antibody) at dilution of 1:200 (under 40x Lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using SRP54 antibody (11729-1-AP) at dilution of 1:400 and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



IP result of anti-SRP54 (IP:11729-1-AP, 4ug; Detection:11729-1-AP 1:300) with human placenta tissue lysate 1015 ug.