

For Research Use Only

SRP54 Polyclonal ANTIBODY



Catalog Number: 11729-1-AP **4 Publications**

Basic Information

Catalog Number:

11729-1-AP

Size:

150UL, Concentration: 200 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2327

GenBank Accession Number:

BC003389

GeneID (NCBI):

6729

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 IP and 1:500-1:1000 for WB

IHC 1:20-1:200

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human

Positive Controls:

WB: human placenta tissue, NIH/3T3 cells

IP: human placenta tissue,

IHC: human breast cancer tissue,

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

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 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

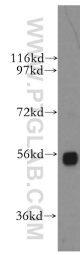
For technical support and original validation data for this product please contact:

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

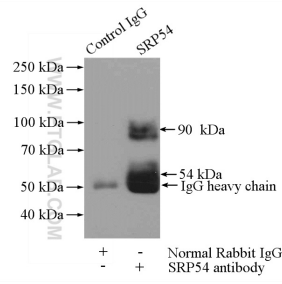
E: proteintech@ptglab.com
W: ptglab.com

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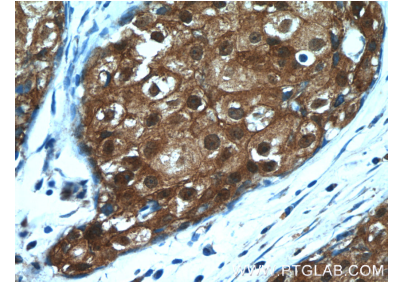
Selected Validation Data



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.



IP Result of anti-SRP54 (IP:11729-1-AP, 4ug; Detection:11729-1-AP 1:500) with human placenta tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 11729-1-AP (SRP54 Antibody) at dilution of 1:50 (under 40x lens).