

For Research Use Only

SRP54 Recombinant antibody

Catalog Number: 84014-5-RR

Featured Product



Basic Information

Catalog Number:

84014-5-RR

Size:

100ul, Concentration: 600 µg/ml by Nanodrop;

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:

Protein A purification

CloneNo.:

241125D6

Recommended Dilutions:

WB 1:2000-1:12000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HeLa cells, human placenta tissue, MCF-7 cells, HEK-293 cells, Jurkat cells, RAW 264.7 cells, NIH/3T3 cells

IF/ICC : HeLa 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).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

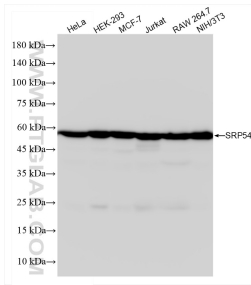
For technical support and original validation data for this product please contact:

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

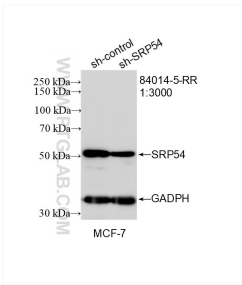
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

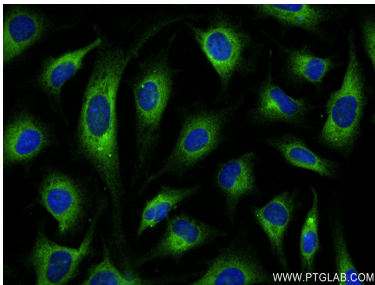
Selected Validation Data



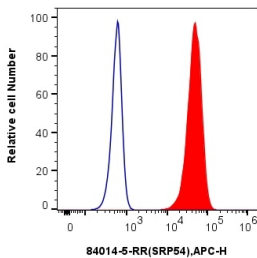
Various lysates were subjected to SDS PAGE followed by western blot with 84014-5-RR (SRP54 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



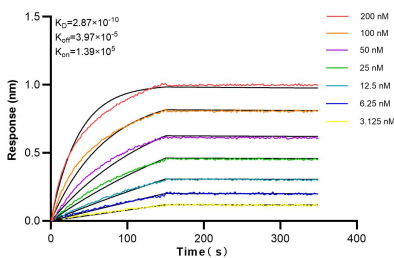
WB result of SRP54 antibody (84014-5-RR; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SRP54 transfected MCF-7 cells.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using SRP54 antibody (84014-5-RR, Clone: 241125D6) at dilution of 1:150 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1x10⁶ HepG2 cells were intracellularly stained with 0.25 ug Srp54 Recombinant Antibody (84014-5-RR, Clone:241125D6) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 84014-5-RR against Human SRP54 were performed. The affinity constant is 0.287 nM.