

For Research Use Only

# SRP54 Monoclonal antibody

Catalog Number: 67005-1-Ig



## Basic Information

<b>Catalog Number:</b> 67005-1-Ig	<b>GenBank Accession Number:</b> BC003389	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1800 µg/ml by Nanodrop and 920 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 6729	<b>CloneNo.:</b> 1D6D1
<b>Source:</b> Mouse	<b>Full Name:</b> signal recognition particle 54kDa	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:500-1:2000
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 54 kDa	
<b>Immunogen Catalog Number:</b> AG12166	<b>Observed MW:</b> 54 kDa	

## Applications

### Tested Applications:

FC, IHC, WB, ELISA

### Species Specificity:

Human, mouse, rat

**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 : HeLa cells, HEK-293 cells, MCF-7 cells, Jurkat cells, HSC-T6 cells, NIH/3T3 cells, RAW 264.7 cells

IHC : human breast cancer tissue,

## 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

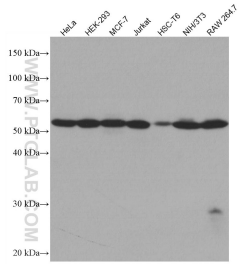
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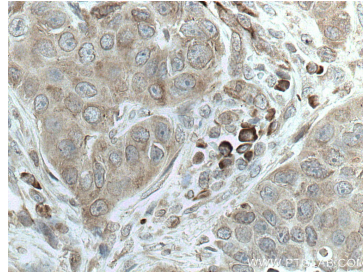
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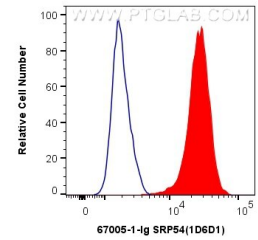
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67005-1-Ig (SRP54 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67005-1-Ig (SRP54 antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug Anti-Human SRP54 (67005-1-Ig, Clone:1D6D1) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).