

For Research Use Only

# SRP19 Monoclonal antibody, PBS Only

Catalog Number:60904-1-PBS



## Basic Information

|   |  |   |
|---|--|---|
| <b>Catalog Number:</b><br>60904-1-PBS                       | <b>GenBank Accession Number:</b><br>BC010947           | <b>Purification Method:</b><br>Protein G purification |
| <b>Size:</b><br>100ug , Concentration: 1 mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>6728                          | <b>CloneNo.:</b><br>1A5F6                             |
| <b>Source:</b><br>Mouse                                     | <b>UNIPROT ID:</b><br>P09132                           |   |
| <b>Isotype:</b><br>IgG1                                     | <b>Full Name:</b><br>signal recognition particle 19kDa |   |
| <b>Immunogen Catalog Number:</b><br>AG9303                  | <b>Calculated MW:</b><br>144 aa, 16 kDa                |   |
|   | <b>Observed MW:</b><br>15 kDa                          |   |

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## Background Information

The signal recognition particle (SRP) is one of the few functional small RNP particles. The SRP couples the synthesis of membrane and secretory proteins across or into the endoplasmic reticulum (ER) membrane in eukaryotes, as well as across the bacterial plasma membrane, and chloroplast thylakoid membranes. The mammalian SRP is composed of a 7S (or 7SL) RNA and six different proteins, SRP9, SRP14, SRP19, SRP54, SRP68 and SRP72. All of the components of SRP, including SRP RNA, participate directly in the overall protein targeting process. SRP19 binds directly to 7S RNA and mediates binding of the 54 kDa subunit of the SRP. SRP19 was shown to significantly enhance SRP54 attachment to helix 8 of 7SL RNA.

## Storage

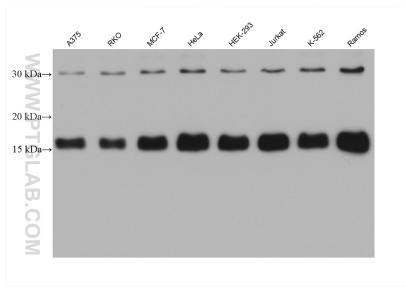
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

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 60904-1-Ig (SRP19 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60904-1-PBS in a different storage buffer formulation.