

Nur für Forschungszwecke

# SRP14 Polyklonaler Antikörper

Katalog-Nr.:11528-1-AP

Vorgestelltes Produkt

9 Publikationen



## Allgemeine Informationen

**Katalog-Nr.:**  
11528-1-AP

**Größe:**  
150ul , Konzentration: 900 µg/ml von  
Nanodrop und 413 µg/ml durch die  
Bradford-Methode mit BSA als  
Standard;

**Wirt:**  
Kaninchen

**Isotyp:**  
IgG

**Immunogen Katalognummer:**  
AG2099

**GenBank-Zugangsnummer:**  
BC035495

**GeneID (NCBI):**  
6727

**Vollständiger Name:**  
signal recognition particle 14kDa  
(homologous Alu RNA binding  
protein)

**Berechnete Masse:**  
136 aa, 15 kDa

**Beobachtete Masse:**  
18 kDa

**Reinigungsmethode:**

Antigen-Affinitätsreinigung

**Empfohlene Verdünnungen:**

WB 1:1000-1:4000

IP 0.5-4.0 µg für IP und 1:200-1:1000  
für WB

IF 1:10-1:100

## Anwendungen

**Geprüfte Anwendungen:**

IF, IP, WB, ELISA

**In Publikationen genannte Anwendungen:**

IP, WB

**Getestete Reaktivität:**

Human, Ratte

**Zitierte Arten:**

Human, Maus

**Positivkontrollen:**

WB : A549-Zellen, HeLa-Zellen, humanes Herzgewebe

IP : A549-Zellen,

IF : MCF-7-Zellen, HepG2-Zellen

## Hintergrundinformationen

Signal recognition particle(SRP) acts in three distinct ways: 1 it binds to the signal sequence of the nascent polypeptide to be translocated, which is exposed on the surface of the translating ribosome; 2 it temporarily retards the nascent polypeptide from further elongation; 3 it mediates docking of the SRP-ribosome-nascent polypeptide chain complex to the RER membrane via the heterodimeric SRP-receptor (SR). SRP14, also named as 18 kDa Alu RNA-binding protein, is a 136 amino acid protein. Signal recognition particle consists of a 7S RNA molecule of 300 nucleotides and six protein subunits: SRP72, SRP68, SRP54, SRP19, SRP14 and SRP9. SRP14 protein is a component of signal-recognition-particle that has a crucial role in targeting secretory proteins to the rough endoplasmic reticulum membrane. SRP9 together with SRP14 and the Alu portion of the SRP RNA, constitutes the elongation arrest domain of SRP. SRP14 form a heterodimer with SRP9, which recognizes Alu RNA and the related 7SL RNA.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Evan P Booy	30247708	Nucleic Acids Res	WB,IP
Evan P Booy	33410401	J Biol Chem	WB
Dianrong Li	31420216	Mol Cell	WB

## Lagerung

**Lagerungsbedingungen:**

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

**Lagerungspuffer:**

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

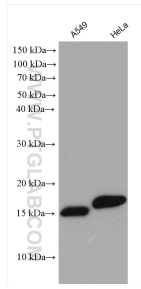
For technical support and original validation data for this product please contact:

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.**

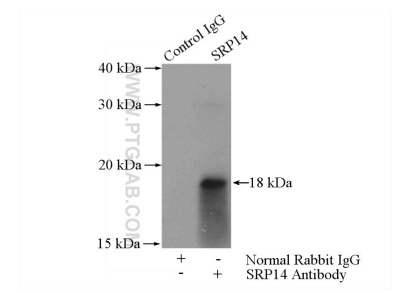
## Ausgewählte Validierungsdaten



A549 cells were subjected to SDS PAGE followed by western blot with 11528-1-AP (SRP14 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of MCF-7 cells, using SRP14 antibody 11528-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP Result of anti-SRP14 (IP:11528-1-AP, 4ug; Detection:11528-1-AP 1:300) with A549 cells lysate 1600ug.