

Allgemeine Informationen

Katalog-Nr.:

16033-1-AP

Größe:

150ul, Konzentration: 350 µg/ml von Nanodrop und 253 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:

Kaninchen

Isotyp:

IgG

Immunogen Katalognummer:

AG8903

GenBank-Zugangsnummer:

BC010947

GeneID (NCBI):

6728

Vollständiger Name:

signal recognition particle 19kDa

Berechnete Masse:

144 aa, 16 kDa

Beobachtete Masse:

18-25 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:500-1:2000

IP 0.5-4.0 µg für IP und 1:500-1:1000 für WB

IF 1:20-1:200

Anwendungen

Geprüfte Anwendungen:

IF, IP, WB, ELISA

In Publikationen genannte Anwendungen:

WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human

Positivkontrollen:

WB: humanes Lebergewebe, A549-Zellen, HeLa-Zellen, K-562-Zellen, Maus-Eierstockgewebe, Mauslebergewebe, Mäusnierengewebe, Raji-Zellen

IP: Mäusnierengewebe,

IF: HeLa-Zellen,

Hintergrundinformationen

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. Binding of SRP19 leads to restructuring of both helix 6 and 8, causing local changes at the SRP54-binding site. This antibody is a rabbit polyclonal antibody raised against full length SRP19 of human origin.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Joseph Russo	28129347	PLoS One	WB
Anne-Sophie Gribling-Burrer	28115638	Nucleic Acids Res	WB
Diego Acosta-Alvear	30582518	Elife	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

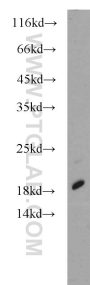
For technical support and original validation data for this product please contact:

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

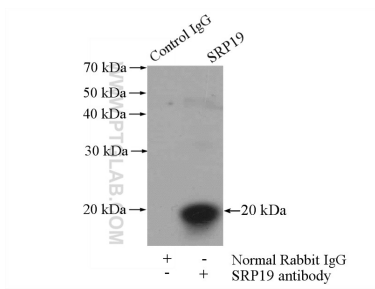
E: proteintech@ptglab.com
 W: ptglab.com

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

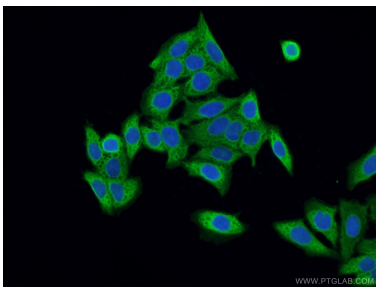
Ausgewählte Validierungsdaten



human liver tissue were subjected to SDS PAGE followed by western blot with 16033-1-AP (SRP19 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP Result of anti-SRP19 (IP:16033-1-AP, 4ug; Detection:16033-1-AP 1:500) with mouse kidney tissue lysate 4000ug.



Immunofluorescent analysis of HeLa cells using 16033-1-AP (SRP19 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).