

Nur für Forschungszwecke

# RNPS1 Polyklonaler Antikörper

Katalog-Nr.: 10555-1-AP

Vorgestelltes Produkt

3 Publikationen



## Allgemeine Informationen

Katalog-Nr.:  
10555-1-AP

Größe:  
150ul, Konzentration: 200 µg/ml von  
Nanodrop und 133 µg/ml durch die  
Bradford-Methode mit BSA als  
Standard;

Wirt:  
Kaninchen

Isotyp:  
IgG

Immunogen Katalognummer:  
AG0844

GenBank-Zugangsnummer:  
BC001838

GeneID (NCBI):  
10921

Vollständiger Name:  
RNA binding protein S1, serine-rich  
domain

Berechnete Masse:  
34 kDa

Beobachtete Masse:  
55-60 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 1:10-1:100

## Anwendungen

Geprüfte Anwendungen:  
IF, IP, WB, ELISA

In Publikationen genannte Anwendungen:  
IF, IP, WB

Getestete Reaktivität:  
Human, Maus, Ratte

Zitierte Arten:  
Human, Maus

Positivkontrollen:

WB : HEK-293-Zellen, humanes Hirngewebe,  
Maushirngewebe, Mausnierengewebe, Raji-Zellen

IP : HEK-293-Zellen,

IF : HEK-293-Zellen,

## Hintergrundinformationen

The splicing process of mRNA must be highly precise to carry the correct genetic information to the cytoplasm as templates for translation. And this process involves more than 50 proteins in the splicing complex. RNPS1 is a versatile factor that regulates alternative splicing of a number of pre-mRNAs. It participates in both constitutive splicing and in distinctive modulation of alternative splicing in a substrate dependent manner, and involved in UPF2-dependent nonsense-mediated decay (NMD) of mRNAs containing premature stop codons. Its ser-53 phosphorylation site is important for splicing and translation stimulation activity in vitro

## Bemerkenswerte Veröffentlichungen

| Verfasser          | Pubmed ID | Journal                    | Anwendung |
|--------------------|-----------|----------------------------|-----------|
| Hana Cho           | 35675814  | Mol Cell                   | WB,IP     |
| Valentina Iadevaia | 35098996  | J Cell Sci                 | IF        |
| Zhi Zhang          | 31831174  | Biochem Biophys Res Commun | WB,IF     |

## 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.

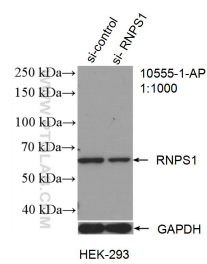
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

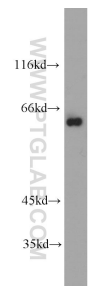
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

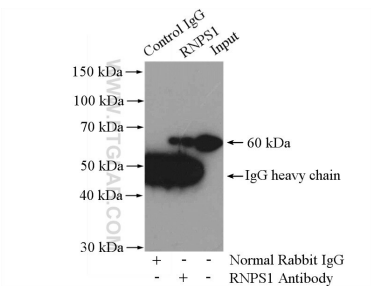
Ausgewählte Validierungsdaten



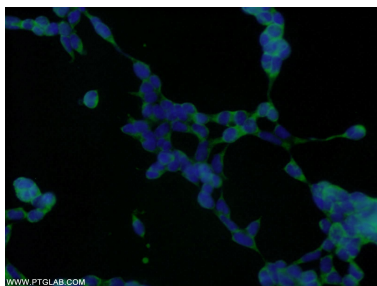
WB result of RNPS1 antibody (10555-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-RNPS1 transfected HEK-293 cells.



HEK-293 cells were subjected to SDS PAGE followed by western blot with 10555-1-AP (RNPS1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP Result of anti-RNPS1 (IP:10555-1-AP, 4ug; Detection:10555-1-AP 1:800) with HEK-293 cells lysate 3200ug.



Immunofluorescent analysis of HEK-293 cells using 10555-1-AP (RNPS1 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).