

For Research Use Only

RNPS1 Polyclonal antibody

Catalog Number: 10555-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

10555-1-AP

Size:

150ul, Concentration: 200 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0844

GenBank Accession Number:

BC001838

GeneID (NCBI):

10921

UNIPROT ID:

Q15287

Full Name:

RNA binding protein S1, serine-rich domain

Calculated MW:

34 kDa

Observed MW:

55-60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IP, IF, ELISA

Cited Applications:

WB, IP, IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : HEK-293 cells, mouse brain tissue, Raji cells, mouse kidney tissue, human brain tissue

IP : HEK-293 cells,

IF/ICC : HEK-293 cells,

Background Information

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

Notable Publications

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

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

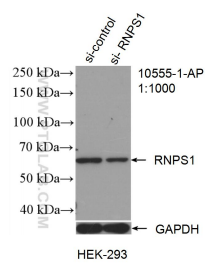
For technical support and original validation data for this product please contact:

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

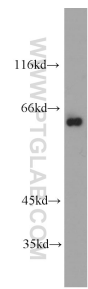
E: proteintech@ptglab.com
W: ptglab.com

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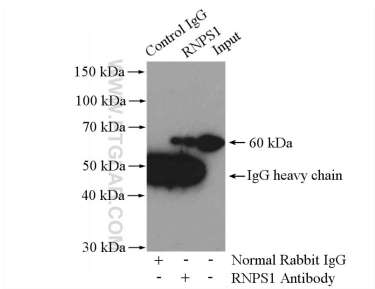
Selected Validation Data



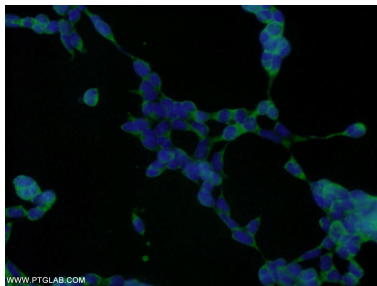
WB result of RNPS1 antibody (10555-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-RNPS1 transfected HEK-293 cells.



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).