

For Research Use Only

RNPS1 Polyclonal antibody

Catalog Number: 32844-1-AP



Basic Information

Catalog Number:

32844-1-AP

Concentration:

300 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG37888

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:

45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293 cells, Raji cells, Ramos cells, fetal human brain tissue

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. The molecular weight observed is consistent with what has been described in the literature (PMID: 39687031/PMID: 10449421).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

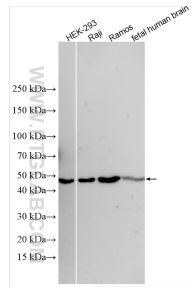
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32844-1-AP (RNPS1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.