

For Research Use Only

# SF3B14 Polyclonal antibody

Catalog Number: 12379-1-AP

2 Publications



## Basic Information

Catalog Number:

12379-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3045

GenBank Accession Number:

BC015463

GeneID (NCBI):

51639

UNIPROT ID:

Q9Y3B4

Full Name:

splicing factor 3B, 14 kDa subunit

Calculated MW:

14 kDa

Observed MW:

14 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB: HeLa cells, HepG2 cells

## Background Information

Pre-mRNA splicing by the human spliceosome requires the sequential recognition by RNA and protein factors of the 5' and 3' splice sites, the branch region and the polypyrimidine tract. This sequence is characterized by the stepwise association of the U1, U2, and U4/U5/U6 snRNP particles [PMID:9476892]. Human p14 (SF3b14), a component of the spliceosomal U2 snRNP, interacts directly with the pre-mRNA branch adenosine within the context of the bulged duplex formed between the pre-mRNA branch region and U2 snRNA. This association occurs early in spliceosome assembly and persists within the fully assembled spliceosome [PMID:21062891].

## Notable Publications

Author	Pubmed ID	Journal	Application
Teng Teng	28541300	Nat Commun	WB
Frederike L Harms	37422718	Genet Med	WB

## 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

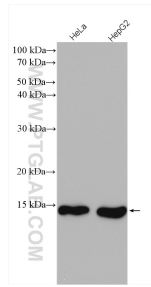
For technical support and original validation data for this product please contact:

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W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12379-1-AP (SF3B14 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.