

For Research Use Only

RPS3 Polyclonal antibody

Catalog Number: 15198-1-AP

1 Publications



Basic Information

Catalog Number:

15198-1-AP

Size:

150ul, Concentration: 133 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7346

GenBank Accession Number:

BC003137

GeneID (NCBI):

6188

UNIPROT ID:

P23396

Full Name:

ribosomal protein S3

Calculated MW:

27 kDa

Observed MW:

33 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

IHC 1:200-1:800

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

yeast

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse brain tissue, NIH/3T3 cells, mouse colon tissue, COLO 320 cells, HeLa cells, rat brain tissue

IP : mouse brain tissue,

IHC : human colon cancer tissue,

IF/ICC : MCF-7 cells,

Background Information

The ribosomal protein S3 is a subunit of 40S ribosomal protein, and has two distinct function. RPS3 acts as a ribosome protein that contributes to the domain of the ribosome where translation is initiated, and involves in repair of UV damage as an endonuclease. Besides binding RNA within the 40S ribosomal subunit, RPS3 participates in transcription, and apoptosis.

Notable Publications

Author	Pubmed ID	Journal	Application
Faza Marius B MB	22956913	PLoS Genet	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

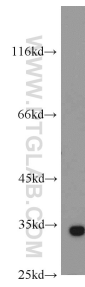
For technical support and original validation data for this product please contact:

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

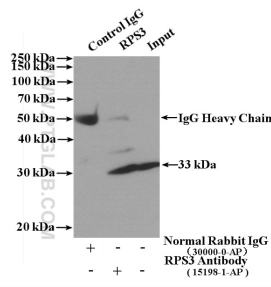
E: proteintech@ptglab.com
W: ptglab.com

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

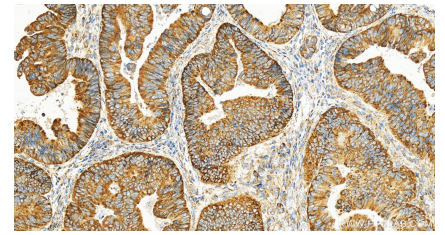
Selected Validation Data



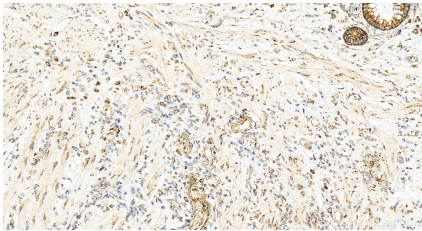
mouse brain tissue were subjected to SDS PAGE followed by western blot with 15198-1-AP (RPS3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



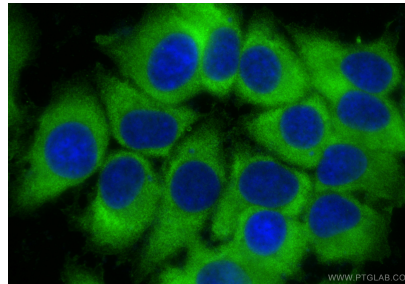
IP result of anti-RPS3 (IP:15198-1-AP, 4ug; Detection:15198-1-AP 1:1000) with mouse brain tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 15198-1-AP (RPS3 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 15198-1-AP (RPS3 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using RPS3 antibody (15198-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).