

For Research Use Only

RPS3A Polyclonal antibody

Catalog Number: 14123-1-AP

Featured Product

8 Publications



Basic Information

Catalog Number:

14123-1-AP

Size:

350 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5273

GenBank Accession Number:

BC066926

GeneID (NCBI):

6189

UNIPROT ID:

P61247

Full Name:

ribosomal protein S3A

Calculated MW:

30 kDa

Observed MW:

35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

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

IHC 1:400-1:1600

Applications

Tested Applications:

WB, IHC, FC (Intra), IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, xenopus

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 : HeLa cells, A431 cells, Jurkat cells, A549 cells, HepG2 cells, Raji cells

IP : HeLa cells,

IHC : human colon tissue,

Background Information

RPS3a, a component of the ribosomal small subunit (40S), is a member of the A20 family of the deubiquitinating cysteine proteases. RPS3a is an inducing factor for oncogenic cellular transformation of Rat-1 cells by v-fos, and is highly expressed in most tumors including hepatocellular carcinoma and other cancers. On the other hand, RPS3a has also been described as a regulator of apoptosis and transcription factors

Notable Publications

Author	Pubmed ID	Journal	Application
Sipeng Li	34265469	Mol Cell Proteomics	WB
Jean-Michel Cioni	30612743	Cell	IF
Yan Tang	30131868	Cell Discov	WB,IHC,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

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

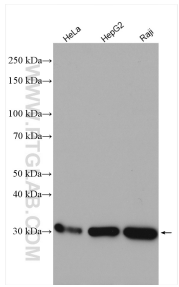
T: 4006900926

E: Proteintech-CN@ptglab.com

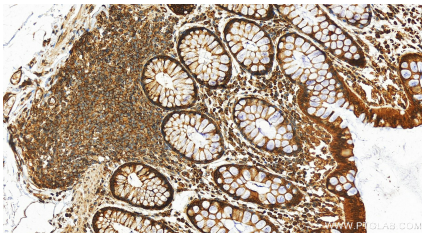
W: ptgcn.com

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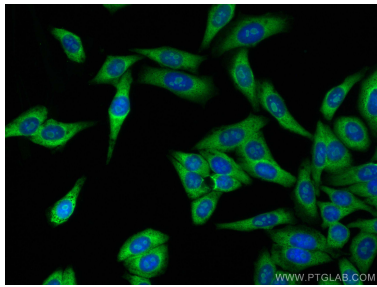
Selected Validation Data



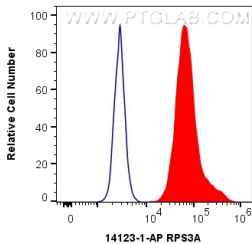
Various lysates were subjected to SDS PAGE followed by western blot with 14123-1-AP (RPS3A antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



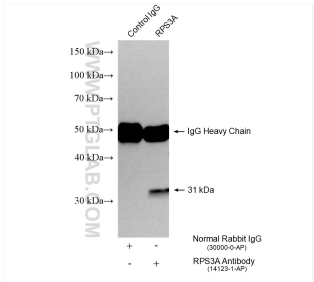
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 14123-1-AP (RPS3A antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using RPS3A antibody (14123-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10⁶ HepG2 cells were intracellularly stained with 0.5 ug Anti-Human RPS3A (14123-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.5 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



IP result of anti-RPS3A (IP:14123-1-AP, 4ug; Detection:14123-1-AP 1:6000) with HeLa cells lysate 1600 ug.