

For Research Use Only

RPS12 Polyclonal antibody

Catalog Number: 16490-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number: 16490-1-AP	GenBank Accession Number: BC017321	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop;	GeneID (NCBI): 6206	Recommended Dilutions: WB 1:1000-1:4000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:20-1:200 IF 1:10-1:100
Source: Rabbit	Full Name: ribosomal protein S12	
Isotype: IgG	Calculated MW: 132 aa, 15 kDa	
Immunogen Catalog Number: AG9615	Observed MW: 15 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, WB	WB: NIH/3T3 cells, HeLa cells, MCF-7 cells, HepG2 cells
Species Specificity: human, mouse, rat	IP: HeLa cells,
Cited Species: human, mouse, drosophila	IHC: human colon cancer tissue,
	IF: HepG2 cells,

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

Background Information

RPS12 (ribosomal protein S12) is a plastid ribosomal protein which is a part of the 30S ribosomal subunit. Together with S4 and S5 plays an important role in translational accuracy. This antibody specifically recognizes the 15kd RPS12 protein.

Notable Publications

Author	Pubmed ID	Journal	Application
Dhaval Varshney	34815422	Sci Rep	WB
Kevin F Chau	29745900	Elife	IHC
Raines Anna MAM	23760953	Development	IHC

Storage

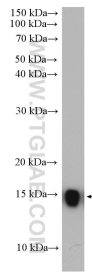
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

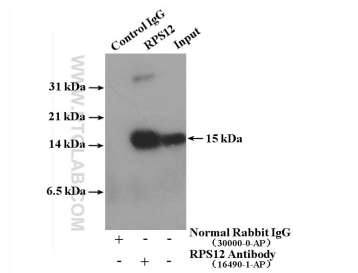
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

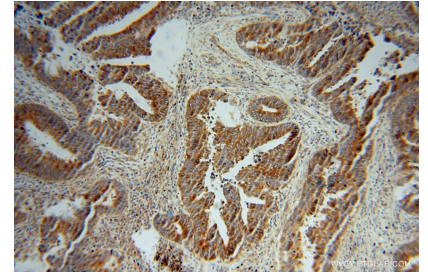
Selected Validation Data



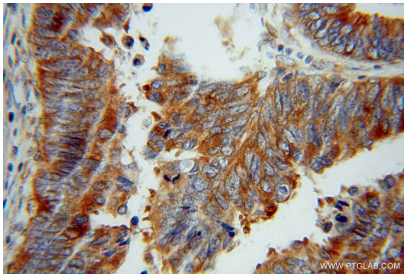
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 16490-1-AP (RPS12 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



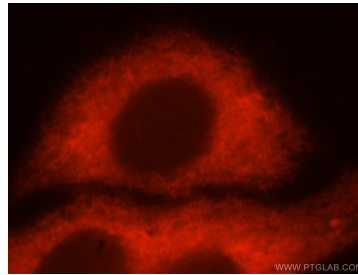
IP result of anti-RPS12 (IP:16490-1-AP, 4ug; Detection:16490-1-AP 1:1000) with HeLa cells lysate 2920 ug.



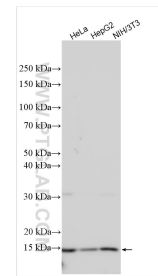
Immunohistochemical analysis of paraffin-embedded human colon cancer using 16490-1-AP (RPS12 antibody) at dilution of 1:50 (under 10x lens).



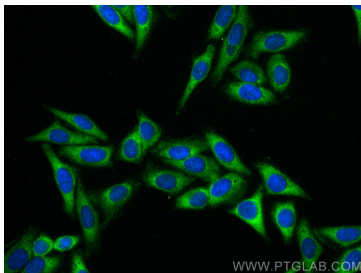
Immunohistochemical analysis of paraffin-embedded human colon cancer using 16490-1-AP (RPS12 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HepG2 cells, using RPS12 antibody 16490-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Various lysates were subjected to SDS PAGE followed by western blot with 16490-1-AP (RPS12 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using RPS12 antibody (16490-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).