

For Research Use Only

RPS19 Polyclonal antibody

Catalog Number: 15085-1-AP

11 Publications



Basic Information

Catalog Number:

15085-1-AP

Concentration:

350 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7164

GenBank Accession Number:

BC000023

GeneID (NCBI):

6223

UNIPROT ID:

P39019

Full Name:

ribosomal protein S19

Calculated MW:

16 kDa

Observed MW:

16 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:3000

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

IHC 1:20-1:200

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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: Caco-2 cells, human testis tissue, HEK-293 cells, rat colon tissue, mouse testis tissue, HeLa cells, K-562 cells

IP: HEK-293 cells,

IHC: human colon cancer tissue,

Background Information

The mammalian ribosome consists of 4 RNA species and approximately 80 different proteins. The ribosomal proteins are encoded by complex gene families that include at least 1 active intron-containing gene and multiple processed pseudogenes. The RPS19 protein is a component of the 40S ribosomal subunit [PMID: 17726054]. Diamond-Blackfan anemia (DBA) is a congenital erythroid hypoplasia caused by a functional haploinsufficiency of genes encoding for ribosomal proteins. Among these genes, ribosomal protein S19 (RPS19) is mutated most frequently [PMID: 21989989]. It also a p53-related ribosomal protein that possibly involves cellular apoptosis through the BAX/p53 pathway [PMID: 22272377].

Notable Publications

Author	Pubmed ID	Journal	Application
Dhaval Varshney	34815422	Sci Rep	WB
Zhiyuan Lu	34739188	Adv Sci (Weinh)	WB
Joy Armistead	26676230	BBA Clin	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

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

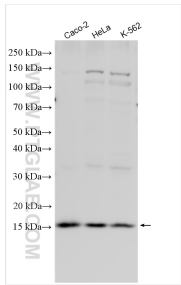
T: 4006900926

E: Proteintech-CN@ptglab.com

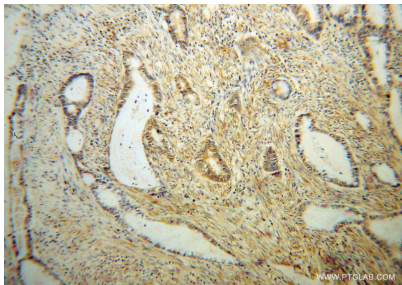
W: ptgcn.com

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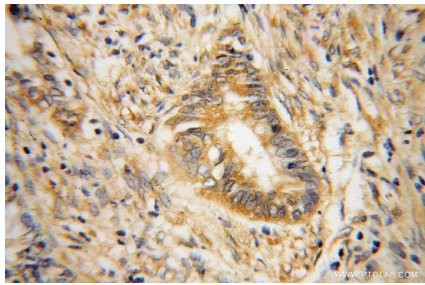
Selected Validation Data



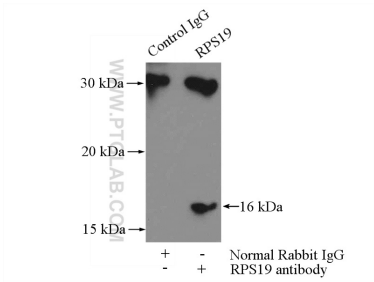
Various lysates were subjected to SDS PAGE followed by western blot with 15085-1-AP (RPS19 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



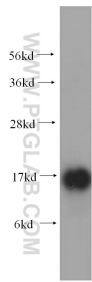
Immunohistochemical analysis of paraffin-embedded human colon cancer using 15085-1-AP (RPS19 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer using 15085-1-AP (RPS19 antibody) at dilution of 1:100 (under 40x lens).



IP result of anti-RPS19 (IP:15085-1-AP, 4ug; Detection:15085-1-AP 1:500) with HEK-293 cells lysate 880ug.



human testis tissue were subjected to SDS PAGE followed by western blot with 15085-1-AP (RPS19 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.