

For Research Use Only

# RPS19 Polyclonal antibody

Catalog Number: 15085-1-AP

11 Publications



## Basic Information

**Catalog Number:**

15085-1-AP

**Size:**

150ul, Concentration: 550 ug/ml by Nanodrop;

**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 ug 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

\*\*\* 20ul sizes contain 0.1% BSA

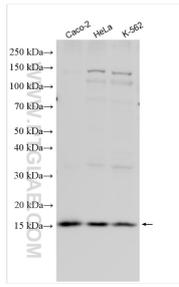
For technical support and original validation data for this product please contact:

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

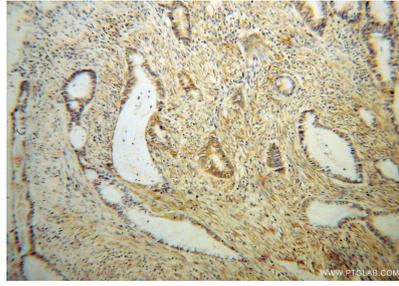
E: proteintech@ptglab.com  
W: ptglab.com

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

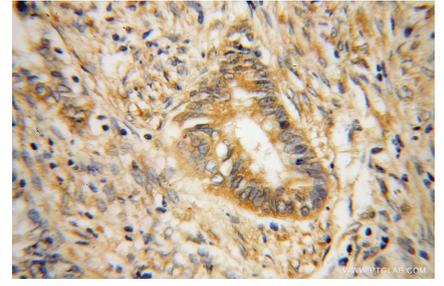
## Selected Validation Data



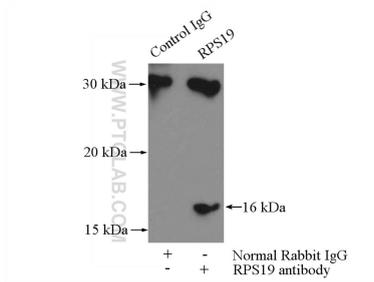
Various lysates were subjected to SDS PAGE followed by western blot with 15085-1-AP (RPS19 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



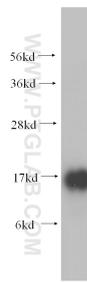
Immunohistochemical analysis of paraffin-embedded human colon cancer using 15085-1-AP (RPS19 antibody) at dilution of 1:100 (under 10x lens).



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.