

For Research Use Only

RPS19 Polyclonal antibody

Catalog Number: 15085-1-AP **7 Publications**



Basic Information

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| Catalog Number: 15085-1-AP | GenBank Accession Number: BC000023 | Purification Method: Antigen affinity purification |
| Size: 350 µg/ml | GeneID (NCBI): 6223 | Recommended Dilutions: WB 1:1000-1:3000 |
| Source: Rabbit | UNIPROT ID: P39019 | IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate |
| Isotype: IgG | Full Name: ribosomal protein S19 | IHC 1:20-1:200 |
| Immunogen Catalog Number: AG7164 | Calculated MW: 16 kDa | |
| | Observed MW: 16 kDa | |

Applications

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|---|--|
| Tested Applications: IHC, IP, WB, ELISA | Positive Controls: |
| Cited Applications: WB, IF, IHC | WB : Caco-2 cells, human testis tissue, HEK-293 cells, rat colon tissue, mouse testis tissue, HeLa cells, K-562 cells |
| Species Specificity: human, mouse, rat | IP : HEK-293 cells, |
| Cited Species: human, mouse | IHC : human colon cancer tissue, |
| 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

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:

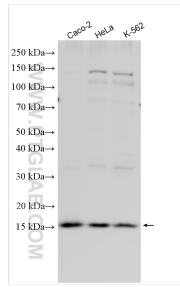
T: 4006900926

E: Proteintech-CN@ptglab.com

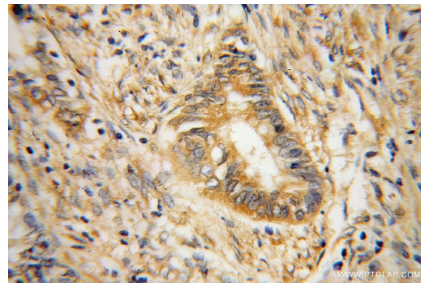
W: ptgcn.com

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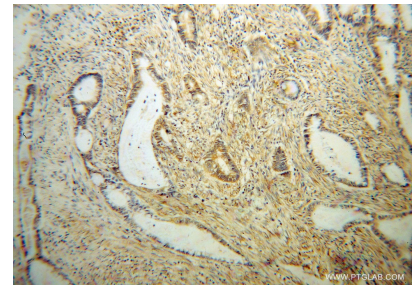
Selected Validation Data



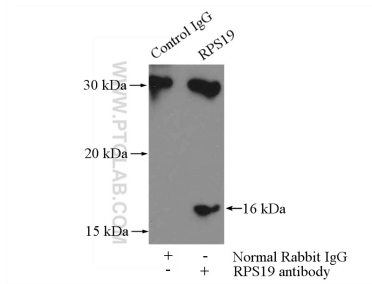
Various lysates were subjected to SDS PAGE followed by western blot with 15085-1-AP (RPS19 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



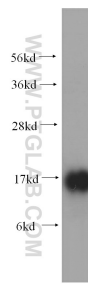
Immunohistochemical analysis of paraffin-embedded human colon cancer using 15085-1-AP (RPS19 antibody) at dilution of 1:100 (under 40x lens).



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



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



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.