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Anti-RPS19 Antibody

Catalog # AP51706

Product Information

Application	WB, IHC
Primary Accession	P39019
Reactivity	Human, Mouse, Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	16060

Additional Information

Gene ID	6223
Other Names	40S ribosomal protein S19
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human RPS19. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

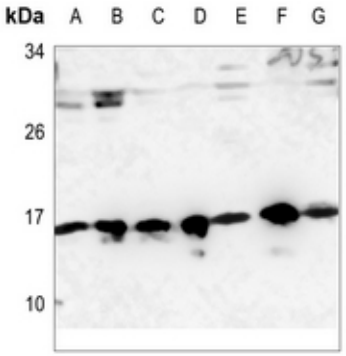
Protein Information

Name	RPS19 (HGNC:10402)
Function	Component of the small ribosomal subunit (PubMed: 23636399). The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell (PubMed:23636399). Required for pre- rRNA processing and maturation of 40S ribosomal subunits (PubMed:16990592). Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre-rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre-ribosomal RNA by the RNA exosome (PubMed:34516797).
Cellular Location	Cytoplasm. Nucleus, nucleolus
Tissue Location	Higher level expression is seen in the colon carcinoma tissue than normal colon tissue

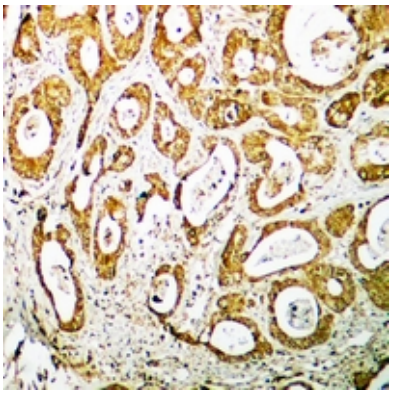
References

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Draptchinskaia N.,et al.Nat. Genet. 21:169-175(1999).
Vladimirov S.N.,et al.Eur. J. Biochem. 239:144-149(1996).
Bienvenut W.V.,et al.Submitted (DEC-2009) to UniProtKB.
Kenmochi N.,et al.Genome Res. 8:509-523(1998).

Images



Western blot analysis of RPS19 expression in HEK293T (A), K562 (B), SHSY5Y (C), mouse liver (D), mouse testis (E), rat liver (F), rat testis (G) whole cell lysates. (Predicted band size: 16 kD; Observed band size: 16 kD)



Immunohistochemical analysis of RPS19 staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.