

RPS19 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51706

Product Information

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

Additional Information

Gene ID	6223
Other Names	40S ribosomal protein S19, RPS19
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human RPS19. The exact sequence is proprietary.
Dilution	WB~~1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
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

Background

Required for pre-rRNA processing and maturation of 40S ribosomal subunits.

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).

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