

# RPS19 Antibody

Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP51706

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P39019</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	16060

## Additional Information

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<b>Gene ID</b>	6223
<b>Other Names</b>	40S ribosomal protein S19, RPS19
<b>Target/Specificity</b>	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human RPS19. The exact sequence is proprietary.
<b>Dilution</b>	WB~~1:1000
<b>Format</b>	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
<b>Storage</b>	Store at -20 °C. Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	RPS19 ( <a href="#">HGNC:10402</a> )
<b>Function</b>	Component of the small ribosomal subunit (PubMed: <a href="#">23636399</a> ). The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell (PubMed: <a href="#">23636399</a> ). Required for pre- rRNA processing and maturation of 40S ribosomal subunits (PubMed: <a href="#">16990592</a> ). 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: <a href="#">34516797</a> ).
<b>Cellular Location</b>	Cytoplasm. Nucleus, nucleolus
<b>Tissue Location</b>	Higher level expression is seen in the colon carcinoma tissue than normal colon tissue

## Background

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

## References

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Kondoh N.,et al.Cancer Res. 52:791-796(1992).  
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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