

RPS19 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51706**Specification**

RPS19 Antibody - Product Information

Application	WB, E
Primary Accession	P39019
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	16 KDa

RPS19 Antibody - 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

E~~N/A

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

RPS19 Antibody - 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

RPS19 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RPS19 Antibody - Images**RPS19 Antibody - Background**

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

RPS19 Antibody - References

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).