

# Anti-RPS19 Rabbit Monoclonal Antibody

Catalog # ABO15267

## Product Information

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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IP                                                                                                                 |
| <b>Primary Accession</b> | <a href="#">P39019</a>                                                                                                      |
| <b>Host</b>              | Rabbit                                                                                                                      |
| <b>Isotype</b>           | IgG                                                                                                                         |
| <b>Reactivity</b>        | Rat, Human, Mouse                                                                                                           |
| <b>Clonality</b>         | Monoclonal                                                                                                                  |
| <b>Format</b>            | Liquid                                                                                                                      |
| <b>Description</b>       | Anti-RPS19 Rabbit Monoclonal Antibody . Tested in WB, IHC, IP applications.<br>This antibody reacts with Human, Mouse, Rat. |

## Additional Information

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|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 6223                                                                                                                                       |
| <b>Other Names</b>         | Small ribosomal subunit protein eS19, 40S ribosomal protein S19, RPS19<br>( <a href="#">HGNC:10402</a> )                                   |
| <b>Calculated MW</b>       | 16060                                                                                                                                      |
| <b>Application Details</b> | WB 1:500-1:2000<br>IHC 1:50-1:200<br>IP 1:50                                                                                               |
| <b>Source</b>              | Eukaryota                                                                                                                                  |
| <b>Contents</b>            | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                        |
| <b>Clone Names</b>         | Clone: 18R43                                                                                                                               |
| <b>Immunogen</b>           | A synthesized peptide derived from human RPS19                                                                                             |
| <b>Purification</b>        | Affinity-chromatography                                                                                                                    |
| <b>Storage</b>             | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |

## 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:[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**

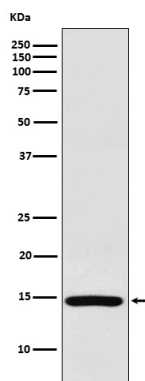
Cytoplasm. Nucleus, nucleolus

**Tissue Location**

Higher level expression is seen in the colon carcinoma tissue than normal colon tissue

## Images

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Western blot analysis of RPS19 expression in HeLa cell lysate.

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