

RecomAb™

## RPS19 recombinant monoclonal antibody, clone R05-9M5

Catalog # RAB05273      Size 100 uL

### Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human RPS19.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human RPS19
Theoretical MW (kDa)	Calculated MW: 16 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)(1/50-1/100) Immunoprecipitation (1/20) Western Blot (1/500-1/1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol and 0.02% Sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

### Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunoprecipitation

## Gene Info — RPS19

Entrez GeneID	<a href="#">6223</a>
Gene Name	RPS19
Gene Alias	DBA
Gene Description	ribosomal protein S19
Omim ID	<a href="#">105650 603474</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 40 S subunit. The protein belongs to the S19E family of ribosomal proteins. It is located in the cytoplasm. Mutations in this gene cause Diamond-Blackfan anemia (DBA), a constitutional erythroblastopenia characterized by absent or decreased erythroid precursors, in a subset of patients. This suggests a possible extra-ribosomal function for this gene in erythropoietic differentiation and proliferation, in addition to its ribosomal function. Higher expression levels of this gene in some primary colon carcinomas compared to matched normal colon tissues has been observed. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq]</p>
Other Designations	40S ribosomal protein S19 Diamond-Blackfan anemia

## Pathway

- [Ribosome](#)

## Disease

- [Anemia](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)

- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Multiple Myeloma](#)
- [Occupational Diseases](#)