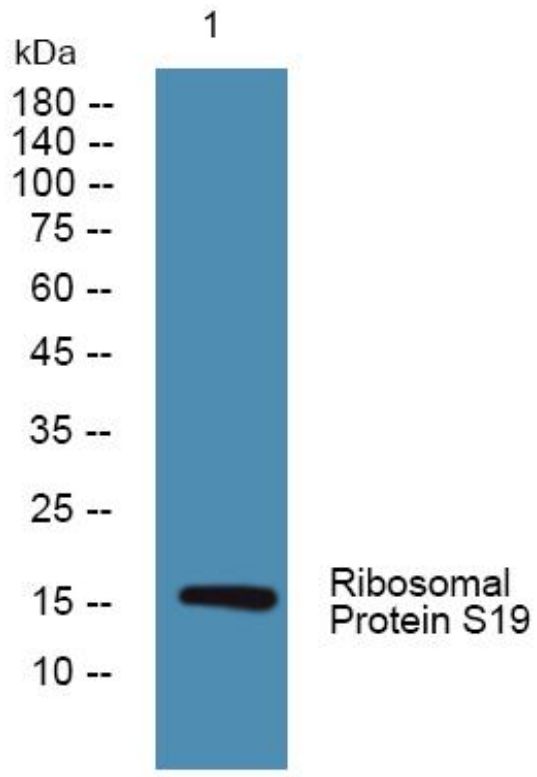
Ribosomal Protein S19 Monoclonal Antibody

Catalog No	YP-mAb-04159
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	RPS19
Protein Name	40S ribosomal protein S19
Immunogen	The antiserum was produced against synthesized peptide derived from human RPS19. AA range:81-130
Specificity	Ribosomal Protein S19 Monoclonal Antibody detects endogenous levels of Ribosomal Protein S19 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	RPS19; 40S ribosomal protein S19
Observed Band	16kD
Cell Pathway	Nucleus . Located more specifically in the nucleoli.
Tissue Specificity	Higher level expression is seen in the colon carcinoma tissue than normal colon tissue.
Function	disease:Defects in RPS19 are the cause of Diamond-Blackfan anemia type 1 (DBA1) [MIM:105650]. DBA1 is a form of Diamond-Blackfan anemia, a congenital non-regenerative hypoplastic anemia that usually presents early in infancy. Diamond-Blackfan anemia is characterized by a moderate to severe macrocytic anemia, erythroblastopenia, and an increased risk of malignancy. 30 to 40% of Diamond-Blackfan anemia patients present with short stature and congenital anomalies, the most frequent being craniofacial (Pierre-Robin syndrome and cleft palate), thumb and urogenital anomalies.,function:Required for pre-rRNA processing and maturation of 40S ribosomal subunits.,similarity:Belongs to the ribosomal protein S19e family.,subcellular location:Located more specifically in the nucleoli.,subunit:Interacts with RPS19BP1.,tissue specificity:Higher level expression is seen in the colon carcinoma tissue than
Background	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 40S 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
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Ribosomal Protein S19 Monoclonal Antibody