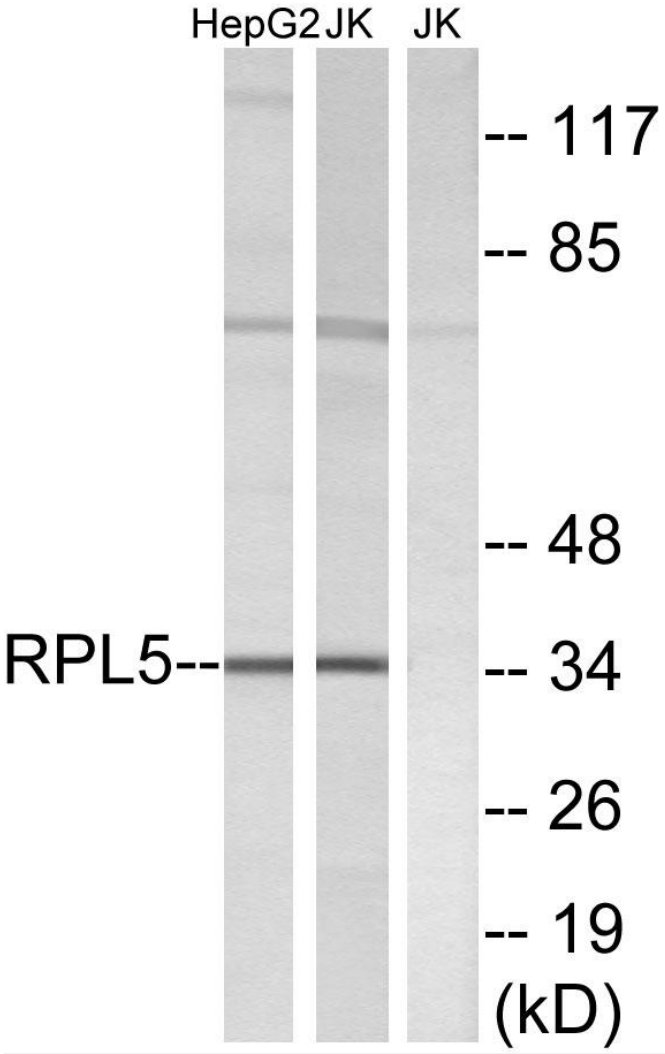
Ribosomal Protein L5 Monoclonal Antibody

Catalog No	YP-mAb-04150
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	RPL5
Protein Name	60S ribosomal protein L5
Immunogen	The antiserum was produced against synthesized peptide derived from human RPL5. AA range:161-210
Specificity	Ribosomal Protein L5 Monoclonal Antibody detects endogenous levels of Ribosomal Protein L5 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	RPL5; MSTP030; 60S ribosomal protein L5
Observed Band	34kD
Cell Pathway	Cytoplasm . Nucleus, nucleolus .
Tissue Specificity	Aorta,Brain,Cervix carcinoma,Colon,Coronary arterial endothelium,Lung,Lymph,Testis,
Function	disease:Defects in RPL5 are the cause of Diamond-Blackfan anemia type 6 (DBA6) [MIM:612561]. DBA6 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 rRNA maturation and formation of the 60S ribosomal subunits. This protein binds 5S RNA.,similarity:Belongs to the ribosomal protein L18P family.,
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 60S subunit. The protein belongs to

	the L18P family of ribosomal proteins. It is located in the cytoplasm. The protein binds 5S rRNA to form a stable complex called the 5S ribonucleoprotein particle (RNP), which is necessary for the transport of nonribosome-associated cytoplasmic 5S rRNA to the nucleolus for assembly into ribosomes. The protein interacts specifically with the beta subunit of casein kinase II. Variable expression of this gene in colorectal cancers compared to adjacent normal tissues has been observed, although no correlation between the level of expression and the severity of the disease has been found
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 L5 Monoclonal Antibody