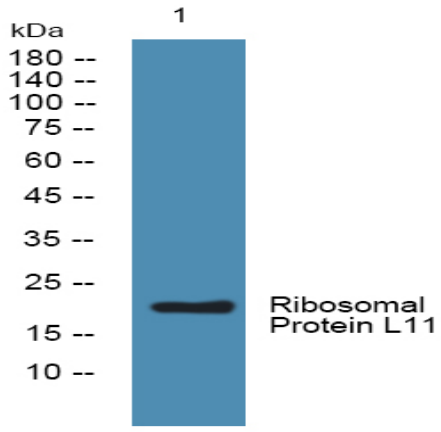
Best Tools for immunology Research

Ribosomal Protein L11 Polyclonal Antibody

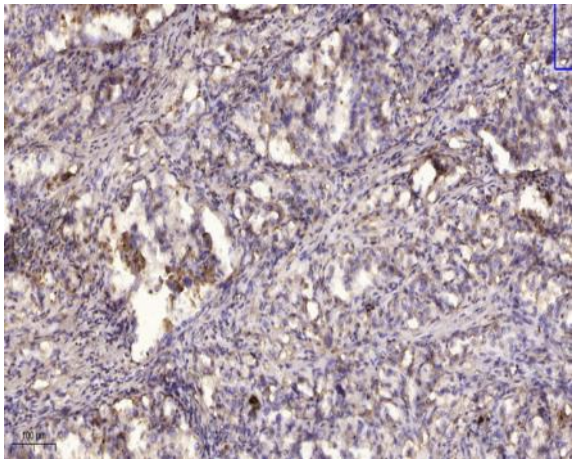
Catalog No :	YT4094
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA;IHC
Target :	Ribosomal Protein L11
Fields :	>>Ribosome;>>Coronavirus disease - COVID-19
Gene Name :	RPL11
Protein Name :	60S ribosomal protein L11
Human Gene Id :	6135
Human Swiss Prot No :	P62913
Mouse Gene Id :	67025
Mouse Swiss Prot No :	Q9CXW4
Rat Swiss Prot No :	P62914
Immunogen :	Synthesized peptide derived from Ribosomal Protein L11 . at AA range: 100-180
Specificity :	Ribosomal Protein L11 Polyclonal Antibody detects endogenous levels of Ribosomal Protein L11 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	20kD
Cell Pathway :	Ribosome;
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 L5P family of ribosomal proteins. It is located in the cytoplasm. The protein probably associates with the 5S rRNA. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Dec 2010],
Function :	disease:Defects in RPL11 are the cause of Diamond-Blackfan anemia type 7 (DBA7) [MIM:612562]. DBA7 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:Binds to 5S ribosomal RNA (By similarity). Required for rRNA maturation and formation of the 60S ribosomal subunits.,similarity:Belongs to the ribosomal protein L5P family.,
Subcellular Location :	Nucleus, nucleolus . Cytoplasm .
Expression :	Amygdala,Cervix carcinoma,Tonsil,

Products Images



Western blot analysis of lysates from A431 cells, primary antibody was diluted at 1:1000, 4°over night



Immunohistochemical analysis of paraffin-embedded human lung cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).