

Immunotag™ Ribosomal Protein L22 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT4100
Product Description	Immunotag™ Ribosomal Protein L22 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	rRNA Protein L22
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	IHC-p,ELISA
Recommended Dilution	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from Ribosomal Protein L22, at AA range: 30-110
Specificity	Ribosomal Protein L22 Polyclonal Antibody detects endogenous levels of Ribosomal Protein L22 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	RPL22
Accession No.	P35268 P67984 P47198
Alternate Names	RPL22; 60S ribosomal protein L22; EBER-associated protein; EAP; Epstein-Barr virus small RNA-associated protein; Heparin-binding protein HBp15

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Description	ribosomal protein L22(RPL22) Homo sapiens 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 cytoplasmic ribosomal protein that is a component of the 60S subunit. The protein belongs to the L22E family of ribosomal proteins. Its initiating methionine residue is post-translationally removed. The protein can bind specifically to Epstein-Barr virus-encoded RNAs (EBERs) 1 and 2. The mouse protein has been shown to be capable of binding to heparin. Transcript variants utilizing alternative polyA signals exist. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. It was previously thought that this gene mapped to 3q26 and that it was fused to the acute myeloid leukemia 1 (AML1
Cell Pathway/ Category	Ribosome,
Protein Expression	Brain,Cervix,Cervix carcinoma,Eye,Placenta,Submandibular gland,
Subcellular Localization	nucleus,cytoplasm,cytosol,ribosome,focal adhesion,cytosolic large ribosomal subunit,intracellular ribonucleoprotein complex,extracellular matrix,extracellular exosome,
Protein Function	miscellaneous:Binds to Epstein-Barr virus small RNAs and to heparin.,similarity:Belongs to the ribosomal protein L22e family.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.