



Anti-RPL22 (aa 106-119) polyclonal antibody (DPABH-03791)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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) gene located at 21q22 in some therapy-related myelodysplastic syndrome patients with 3;21 translocations; however, these fusions actually involve a ribosomal protein L22 pseudogene located at 3q26, and this gene actually maps to 1p36.3-p36.2.
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Immunogen	Synthetic peptide: C-SKESYELRYFQINQ, corresponding to C terminal amino acids 106-119 of Human RPL22
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	ELISA, IHC-P
Format	Liquid

Size	50 µg
Buffer	pH: 7.30; Constituents: 99% Tris buffered saline, 0.5% BSA
Preservative	0.02% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	RPL22 ribosomal protein L23 [Homo sapiens]
Official Symbol	RPL22
Synonyms	RPL22; ribosomal protein L22; EAP; L22; HBP15; HBP15/L22; 60S ribosomal protein L22; EBER-associated protein; heparin-binding protein 15; heparin-binding protein HBp15; Epstein-Barr-encoded RNA-associated protein; Epstein-Barr virus small RNA-associated protein;
Entrez Gene ID	6146
Protein Refseq	NP_000974.1
UniProt ID	P35268
Pathway	Cap-dependent Translation Initiation; Disease; Eukaryotic Translation Initiation; Formation of a pool of free 40S subunits
Function	RNA binding; heparin binding; poly(A) RNA binding; protein binding