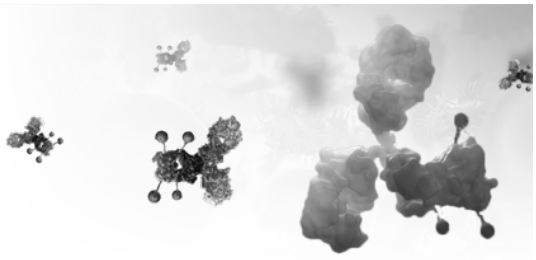

Human RPL22 blocking peptide (CDBP2528)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-Ribosomal protein L22 antibody
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. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

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Gene Name	RPL22 ribosomal protein L22 [Homo sapiens (human)]
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
mRNA Refseq	NM_000983.3
Protein Refseq	NP_000974.1
UniProt ID	P35268
Chromosome Location	1p36.31
Pathway	Cap-dependent Translation Initiation, organism-specific biosystem; Cytoplasmic Ribosomal Proteins, organism-specific biosystem; Disease, organism-specific biosystem; Eukaryotic Translation Elongation, organism-specific biosystem; Eukaryotic Translation Initiation, organism-specific biosystem; Eukaryotic Translation Termination, organism-specific biosystem; Formation of a pool of free 40S subunits, organism-specific biosystem; GTP hydrolysis and joining of the 60S ribosomal subunit, organism-spec
Function	RNA binding; heparin binding; poly(A) RNA binding; protein binding; structural constituent of ribosome;

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