Recombinant Human RPLP2 cell lysate

Cat. No. RPLP2-1541HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
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 ribosomal phosphoprotein that is a component of the 60S subunit. The protein, which is a functional equivalent of the E. coli L7/L12 ribosomal protein, belongs to the L12P family of ribosomal proteins. It plays an important role in the elongation step of protein synthesis. Unlike most ribosomal proteins, which are basic, the encoded protein is acidic. Its C-terminal end is nearly identical to the C-terminal ends of the ribosomal phosphoproteins P0 and P1. The P2 protein can interact with P0 and P1 to form a pentameric complex consisting of P1 and P2 dimers, and a P0 monomer. The protein is located in the cytoplasm. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

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Gene Name	RPLP2 ribosomal protein, large, P2 [Homo sapiens]
Official Symbol	RPLP2
Synonyms	RPLP2; ribosomal protein, large, P2; D11S2243E; 60S acidic ribosomal protein P2; acidic ribosomal phosphoprotein P2; LP2; MGC71408; P2; RPP2; renal carcinoma antigen NY-REN-44;
Gene ID	6181
mRNA Refseq	NM_001004
Protein Refseq	NP_000995
MIM	180530
UniProt ID	P05387
Chromosome Location	11p15.5
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;
Function	RNA binding; structural constituent of ribosome;

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