

# Immunotag™ Ribosomal Protein LP2 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT4120
Product Description	Immunotag™ Ribosomal Protein LP2 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 LP2
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	IHC-p,ELISA
Recommended Dilution	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. 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 LP2, at AA range: 40-120
Specificity	Ribosomal Protein LP2 Polyclonal Antibody detects endogenous levels of Ribosomal Protein LP2 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	RPLP2
Accession No.	P05387 P99027 P02401
Alternate Names	RPLP2; D11S2243E; RPP2; 60S acidic ribosomal protein P2; Renal carcinoma antigen NY-REN-44

## Antibody Specification

Description	ribosomal protein lateral stalk subunit P2(RPLP2) 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 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
Cell Pathway/ Category	Ribosome,
Protein Expression	Epithelium,Kidney,Liver,Mammary carcinoma,Ovary,Pituitary,P
Subcellular Localization	cytosol,ribosome,focal adhesion,membrane,cytosolic large ribosomal subunit,preribosome, large subunit precursor,extracellular exosome,
Protein Function	function:Plays an important role in the elongation step of protein synthesis.,similarity:Belongs to the ribosomal protein L12P family.,subunit:P1 and P2 exist as dimers at the large ribosomal subunit.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.