

# Immunotag™ Ribosomal Protein LP2 Polyclonal Antibody

| Antibody Specification |                                                                                                                                                                    |
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| 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

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