

# Immunotag™ Ribosomal Protein S5 Polyclonal Antibody

| Antibody Specification |  |
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| Catalog No.            | ITT4137  |
| Product Description    | Immunotag™ Ribosomal Protein S5 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 S5  |
| Clonality              | Polyclonal   |
| Storage/Stability      | -20°C/1 year   |
| Application            | WB,ELISA   |
| Recommended Dilution   | Western Blot: 1/500 - 1/2000. ELISA: 1/5000. 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 S5, at AA range: 60-140   |
| Specificity            | Ribosomal Protein S5 Polyclonal Antibody detects endogenous levels of Ribosomal Protein S5 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              | RPS5   |
| Accession No.          | P46782 P97461 P24050   |
| Alternate Names        | RPS5; 40S ribosomal protein S5   |

## Antibody Specification

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| Description                 | ribosomal protein S5(RPS5) 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 protein that is a component of the 40S subunit. The protein belongs to the S7P family of ribosomal proteins. It is located in the cytoplasm. Variable expression of this gene in colorectal cancers compared to adjacent normal tissues has been observed, although no correlation between the level of expression and the severity of the disease has been found. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Jul 2008], |
| Cell Pathway/<br>Category   | Ribosome,   |
| Protein<br>Expression       | B-cell lymphoma,Bone,Cervix carcinoma,Colon,Ovary,Placenta,   |
| Subcellular<br>Localization | nucleoplasm,cytosol,focal adhesion,small ribosomal subunit,membrane,cytosolic small ribosomal subunit,intracellular ribonucleoprotein complex,extracellular matrix,extracellular exosome,   |
| Protein Function            | similarity:Belongs to the ribosomal protein S7P family.,  |
| Usage                       | For Research Use Only! Not for diagnostic or therapeutic procedures.  |