Datasheet for ABIN7599014

# anti-RPL24 antibody (AA 1-157)

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## Overview

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| Quantity: | 100 µg |
| Target: | RPL24 |
| Binding Specificity: | AA 1-157 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This RPL24 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC) |

## Product Details

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| Purpose: | Anti-RPL24 Antibody Picoband® |
| Immunogen: | E.coli-derived human RPL24 recombinant protein (Position: M1-R157). Human EIF3H shares 100% amino acid (aa) sequence identity with both mouse and rat RPL24. |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins |
| Characteristics: | Anti-RPL24 Antibody Picoband® (ABIN7599014). Tested in WB, ICC/IF, ELISA applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance. |
| Purification: | Immunogen affinity purified. |

## Target Details

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| Target: | RPL24 |
| Alternative Name: | RPL24 (RPL24 Products) |
| Background: | Synonyms: RPL24, 60S ribosomal protein L24, 60S ribosomal protein L30, Large ribosomal subunit protein eL24<br>Background: 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 60S subunit. The protein belongs to the L24E family of ribosomal proteins. It is located in the cytoplasm. This gene has been referred to as ribosomal protein L30 because the encoded protein shares amino acid identity with the L30 ribosomal proteins from S. cerevisiae, however, its official name is ribosomal protein L24. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. |
| Molecular Weight: | 18 kDa |
| Gene ID: | 6152 |
| UniProt: | P83731 |
| Pathways: | Ribonucleoprotein Complex Subunit Organization, Ribosome Assembly |

## Application Details

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| Application Notes: | Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat<br>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human<br>ELISA, 0.1-0.5 µg/mL<br>1. Barkic, M., Crnomarkovic, S., Grabusic, K., Bogetic, I., Panic, L., Tamarut, S., Cokaric, M., Jeric, I., Vidak, S., Volarevic, S. The p53 tumor suppressor causes congenital malformations in Rpl24-deficient mice and promotes their survival. Molec. Cell. Biol. 29: 2489-2504, 2009. 2. Barna, M., Pusic, A., Zollo, O., Costa, M., Kondrashov, N., Rego, E., Rao, P. H., Ruggero, D. Suppression of Myc oncogenic activity by ribosomal protein haploinsufficiency. Nature 456: 971-975, 2008. 3. Johnson, K. R. Characterization of cDNA clones encoding the human homologue of Saccharomyces cerevisiae ribosomal protein L30. Gene 123: 283-285, 1993. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Reconstitution: | Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL. |
| Concentration: | 500 µg/mL |
| Buffer: | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.<br>It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing. |