

Datasheet for ABIN7599529  
**anti-RPL38 antibody (AA 1-70)**



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## Overview

|                      |                                      |
|----------------------|--------------------------------------|
| Quantity:            | 100 µg                               |
| Target:              | RPL38                                |
| Binding Specificity: | AA 1-70                              |
| Reactivity:          | Human                                |
| Host:                | Rabbit                               |
| Clonality:           | Polyclonal                           |
| Conjugate:           | This RPL38 antibody is un-conjugated |
| Application:         | Western Blotting (WB), ELISA         |

## Product Details

|                             |   |
|-----------------------------|---|
| Purpose:                    | Anti-RPL38 Antibody Picoband®   |
| Immunogen:                  | E.coli-derived human RPL38 recombinant protein (Position: M1-K70).  |
| Isotype:                    | IgG   |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins   |
| Characteristics:            | Anti-RPL38 Antibody Picoband® (ABIN7599529). Tested in ELISA, WB applications. This antibody reacts with Human. 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

|                   |  |
|-------------------|--|
| Target:           | RPL38  |
| Alternative Name: | RPL38 ( <a href="#">RPL38 Products</a> )   |
| Background:       | <p>Synonyms: Protein NDRG3,N-myc downstream-regulated gene 3 protein,NDRG3,</p> <p>Tissue Specificity: Ubiquitous. Highly expressed in brain. .</p> <p>Background: 60S ribosomal protein L38 is a protein that in humans is encoded by the RPL38 gene. 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 L38E family of ribosomal proteins. It is located in the cytoplasm. Alternative splice variants have been identified, both encoding the same protein. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome, including one located in the promoter region of the type 1 angiotensin II receptor gene.</p> |
| Molecular Weight: | 17 kDa   |
| Gene ID:          | 6169   |
| UniProt:          | <a href="#">P63173</a>   |
| Pathways:         | <a href="#">Sensory Perception of Sound</a> , <a href="#">Ribonucleoprotein Complex Subunit Organization</a> , <a href="#">Ribosome Assembly</a>   |

## Application Details

|                    |   |
|--------------------|---|
| Application Notes: | <p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Espinosa, L., Martin, M., Nicolas, A., Fabre, M., Navarro, E. Primary sequence of the human, lysine-rich, ribosomal protein RPL38 and detection of an unusual RPL38 processed pseudogene in the promoter region of the type-1 angiotensin II receptor gene. Biochim. Biophys. Acta 1354: 58-64, 1997. 2. Kenmochi, N., Kawaguchi, T., Rozen, S., Davis, E., Goodman, N., Hudson, T. J., Tanaka, T., Page, D. C. A map of 75 human ribosomal protein genes. Genome Res. 8: 509-523, 1998. 3. Noben-Trauth, K., Latoche, J. R. Ectopic mineralization in the middle ear and chronic otitis media with effusion caused by RPL38 deficiency in the Tail-short (Ts) mouse. J. Biol. Chem. 286: 3079-3093, 2011</p> |
| Restrictions:      | For Research Use only   |

## Handling

|                  |  |
|------------------|--|
| 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 Na <sub>2</sub> HPO <sub>4</sub> .  |
| 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. |