

Datasheet for ABIN7601857  
**anti-RGL3 antibody (AA 49-622)**



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## Overview

|                      |                                                                                                                                     |
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| Quantity:            | 100 µg                                                                                                                              |
| Target:              | RGL3                                                                                                                                |
| Binding Specificity: | AA 49-622                                                                                                                           |
| Reactivity:          | Human                                                                                                                               |
| Host:                | Rabbit                                                                                                                              |
| Clonality:           | Polyclonal                                                                                                                          |
| Conjugate:           | This RGL3 antibody is un-conjugated                                                                                                 |
| Application:         | Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunofluorescence (IF), Immunohistochemistry (IHC) |

## Product Details

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| Purpose:                    | Anti-RGL3 Antibody Picoband®                                                                                                                                                                                                                                                                                                                                                                                                  |
| Immunogen:                  | E.coli-derived human RGL3 recombinant protein (Position: Q49-D622). Human RGL3 shares 79.1% amino acid (aa) sequence identity with mouse RGL3.                                                                                                                                                                                                                                                                                |
| Isotype:                    | IgG                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Cross-Reactivity (Details): | No cross reactivity with other proteins.                                                                                                                                                                                                                                                                                                                                                                                      |
| Characteristics:            | Anti-RGL3 Antibody Picoband® (ABIN7601857). Tested in WB, IHC, ICC/IF, Flow Cytometry, ELISA 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. |

## Product Details

Purification: Immunogen affinity purified.

## Target Details

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| Target:           | RGL3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Alternative Name: | RGL3 ( <a href="#">RGL3 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Background:       | <p>Synonyms: 70 kDa ribosomal protein S6 kinase 1 antibody, KS6B1_HUMAN antibody, p70 alpha antibody, P70 beta 1 antibody, p70 ribosomal S6 kinase alpha antibody, p70 ribosomal S6 kinase beta 1 antibody, p70 S6 kinase alpha antibody, P70 S6 Kinase antibody, p70 S6 kinase alpha 1 antibody, p70 S6 kinase alpha 2 antibody, p70 S6K antibody, p70 S6K-alpha antibody, p70 S6KA antibody, p70(S6K) alpha antibody, p70(S6K)-alpha antibody, p70-alpha antibody, p70-S6K 1 antibody, p70-S6K antibody, P70S6K antibody, P70S6K1 antibody, p70S6Kb antibody, PS6K antibody, Ribosomal protein S6 kinase 70 kDa polypeptide 1 antibody, Ribosomal protein S6 kinase beta 1 antibody, Ribosomal protein S6 kinase beta-1 antibody, Ribosomal protein S6 kinase I antibody, RPS6KB1 antibody, S6K antibody, S6K-beta-1 antibody, S6K1 antibody, Serine/threonine kinase 14 alpha antibody, Serine/threonine-protein kinase 14A antibody, STK14A antibody</p> <p>Tissue Specificity: Expressed in all tissues.</p> <p>Background: RGL3 is a guanine nucleotide exchange factor (GEF) for Ral-A. RGL3 is a potential effector of GTPase HRas and Ras-related protein M-Ras. RGL3 negatively regulates Elk-1-dependent gene induction downstream of HRas and MEKK1.</p> |
| Molecular Weight: | 72 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene ID:          | 57139                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## Application Details

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| Application Notes: | <p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Immunohistochemistry, 2-5 µg/mL, Human</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10<sup>6</sup> cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Hartz, P. A. Personal Communication. Balimore, Md. 1/11/2016. 2. Shao, H., Andres, D. A. A novel RalGEF-like protein, RGL3, as a candidate effector for Rit and Ras. J. Biol. Chem. 275: 26914-26924, 2000.</p> |
| 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 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. |