

Datasheet for ABIN7600313  
**anti-POLR1B antibody (AA 18-1135)**



[Go to Product page](#)

## Overview

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| Quantity:            | 100 µg                                                                                                                                 |
| Target:              | POLR1B                                                                                                                                 |
| Binding Specificity: | AA 18-1135                                                                                                                             |
| Reactivity:          | Human                                                                                                                                  |
| Host:                | Rabbit                                                                                                                                 |
| Clonality:           | Polyclonal                                                                                                                             |
| Conjugate:           | This POLR1B antibody is un-conjugated                                                                                                  |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS),<br>Immunofluorescence (IF), Immunocytochemistry (ICC) |

## Product Details

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| Purpose:                    | Anti-POLR1B Antibody Picoband®                                                                                                                                                                                                                                                                                                                                                                                                   |
| Immunogen:                  | E.coli-derived human POLR1B recombinant protein (Position: H18-V1135).                                                                                                                                                                                                                                                                                                                                                           |
| Isotype:                    | IgG                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins.                                                                                                                                                                                                                                                                                                                                                                                         |
| Characteristics:            | Anti-POLR1B Antibody Picoband® (ABIN7600313). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, 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

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| Target:           | POLR1B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Alternative Name: | POLR1B ( <a href="#">POLR1B Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Background:       | <p>Synonyms: Solute carrier family 2, facilitated glucose transporter member 6, Glucose transporter type 6, GLUT-6, Glucose transporter type 9, GLUT-9, SLC2A6, GLUT9</p> <p>Tissue Specificity: Highly expressed in brain, spleen and peripheral blood leukocytes.</p> <p>Background: DNA-ed RNA polymerase I subunit RPA2 is an enzyme that in humans is encoded by the POLR1B gene. Eukaryotic RNA polymerase I (pol I) is responsible for the transcription of ribosomal RNA (rRNA) genes and production of rRNA, the primary component of ribosomes. Pol I is a multisubunit enzyme composed of 6 to 14 polypeptides, depending on the species. Most of the mass of the pol I complex derives from the 2 largest subunits, Rpa1 and Rpa2 in yeast. POLR1B is homologous to Rpa2.</p> |
| Molecular Weight: | 128 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene ID:          | 84172                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| UniProt:          | <a href="#">Q9H9Y6</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## Application Details

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| Application Notes: | <p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x1x10<sup>6</sup> cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Sanchez, E., Laplace-Builhe, B., Mau-Them, F. T., Richard, E., Goldenberg, A., Toler, T. L., Guignard, T., Gatinois, V., Vincent, M., Blanchet, C., Boland, A., Bihoreau, M. T., and 16 others. POLR1B and neural crest cell anomalies in Treacher Collins syndrome type 4. Genet. Med. 22: 547-556, 2020. 2. Seither, P., Grummt, I. Molecular cloning of RPA2, the gene encoding the second largest subunit of mouse RNA polymerase I. Genomics 37: 135-139, 1996. 3. Stumpf, A. M. Personal Communication. Baltimore, Md. 07/06/2020.</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. |

## Handling

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|                  |                                                                                                                                                                                                      |
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| 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. |