

Datasheet for ABIN7600700  
**anti-GCC1 antibody (AA 22-763)**



[Go to Product page](#)

## Overview

|                      |                                                                                  |
|----------------------|----------------------------------------------------------------------------------|
| Quantity:            | 100 µg                                                                           |
| Target:              | GCC1                                                                             |
| Binding Specificity: | AA 22-763                                                                        |
| Reactivity:          | Human, Mouse, Rat                                                                |
| Host:                | Rabbit                                                                           |
| Clonality:           | Polyclonal                                                                       |
| Conjugate:           | This GCC1 antibody is un-conjugated                                              |
| Application:         | ELISA, Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC) |

## Product Details

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| Purpose:                    | Anti-GCC1 Antibody Picoband®                                                                                                                                                                                                                                                                                                                                                                                          |
| Immunogen:                  | E.coli-derived human GCC1 recombinant protein (Position: E22-L763).                                                                                                                                                                                                                                                                                                                                                   |
| Isotype:                    | IgG                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins.                                                                                                                                                                                                                                                                                                                                                                              |
| Characteristics:            | Anti-GCC1 Antibody Picoband® (ABIN7600700). Tested in ELISA, IF, ICC, WB 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

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | GCC1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Alternative Name: | GCC1 ( <a href="#">GCC1 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Background:       | <p>Synonyms: Negative elongation factor B, NELF-B, Cofactor of BRCA1, NELFB, COBRA1, KIAA1182</p> <p>Tissue Specificity: Widely expressed. Expressed in heart, brain, lung, placenta, liver, skeletal muscle, kidney and pancreas.</p> <p>Background: GRIP and coiled-coil domain-containing protein 1 is a protein that in humans is encoded by the GCC1 gene. The protein encoded by this gene is a peripheral membrane protein. It is sensitive to brefeldin A. This encoded protein contains a GRIP domain which is thought to be used in targeting. It may play a role in the organization of trans-Golgi network subcompartment involved with membrane transport.</p> |
| Molecular Weight: | 100 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene ID:          | 79571                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Pathways:         | <a href="#">SARS-CoV-2 Protein Interactome</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Application Details

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| Application Notes: | <p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Kjer-Nielsen, L., Teasdale, R. D., van Vliet, C., Gleeson, P. A. A novel Golgi-localisation domain shared by a class of coiled-coil peripheral membrane proteins. Curr. Biol. 9: 385-388, 1999. 2. Luke, M. R., Kjer-Nielsen, L., Brown, D. L., Stow, J. L., Gleeson, P. A. GRIP domain-mediated targeting of two new coiled-coil proteins, GCC88 and GCC185, to subcompartments of the trans-Golgi network. J. Biol. Chem. 278: 4216-4226, 2003. 3. Wong, M., Munro, S. The specificity of vesicle traffic to the Golgi is encoded in the golgin coiled-coil proteins. Science 346: 1256898, 2014. Note: Electronic Article.</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                                                                 |

## Handling

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|                  |                                                                                                                                                                                                      |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |