

Datasheet for ABIN7599144  
**anti-CLASP1 antibody (AA 1-243)**



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## Overview

|                      |                                                                                   |
|----------------------|-----------------------------------------------------------------------------------|
| Quantity:            | 100 µg                                                                            |
| Target:              | CLASP1                                                                            |
| Binding Specificity: | AA 1-243                                                                          |
| Reactivity:          | Human, Rat                                                                        |
| Host:                | Rabbit                                                                            |
| Clonality:           | Polyclonal                                                                        |
| Conjugate:           | This CLASP1 antibody is un-conjugated                                             |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF) |

## Product Details

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| Purpose:                    | Anti-CLASP1 Antibody Picoband®                                                                                                                                                                                                                                                                                                                                                                                                 |
| Immunogen:                  | E.coli-derived human CLASP1 recombinant protein (Position: M1-D243).                                                                                                                                                                                                                                                                                                                                                           |
| Isotype:                    | IgG                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins.                                                                                                                                                                                                                                                                                                                                                                                       |
| Characteristics:            | <p>Anti-CLASP1 Antibody Picoband® (ABIN7599144). Tested in ELISA, IF, IHC, WB applications.</p> <p>This antibody reacts with Human, 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.</p> |
| Purification:               | Immunogen affinity purified.                                                                                                                                                                                                                                                                                                                                                                                                   |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Target:           | CLASP1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Alternative Name: | CLASP1 ( <a href="#">CLASP1 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Background:       | <p>Synonyms: Mediator of RNA polymerase II transcription subunit 14, Activator-recruited cofactor 150 kDa component, ARC150, Cofactor required for Sp1 transcriptional activation subunit 2, CRSP complex subunit 2, Mediator complex subunit 14, RGR1 homolog, hRGR1, Thyroid hormone receptor-associated protein complex 170 kDa component, Trap170, Transcriptional coactivator CRSP150, Vitamin D3 receptor-interacting protein complex 150 kDa component, DRIP150, MED14, ARC150, CRSP2, CXorf4, DRIP150, EXLM1, RGR1, TRAP170,</p> <p>Tissue Specificity: Ubiquitous.</p> <p>Background: Cytoplasmic linker associated protein 1, also known as CLASP1, is a protein which in humans is encoded by the CLASP1 gene. CLASPs, such as CLASP1, are nonmotor microtubule-associated proteins that interact with CLIPs (e.g., CLIP170, MIM 179838). CLASP1 is involved in the regulation of microtubule dynamics at the kinetochore and throughout the spindle.</p> |
| Molecular Weight: | 150 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene ID:          | 23332                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| UniProt:          | <a href="#">Q7Z460</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Pathways:         | <a href="#">Microtubule Dynamics</a> , <a href="#">M Phase</a> , <a href="#">Maintenance of Protein Location</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Application Details

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| Application Notes: | <p>Western blot, 0.25-0.5 µg/mL/mL, Human, Rat</p> <p>Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL/mL, Human, Rat</p> <p>Immunofluorescence, 5 µg/mL, Human</p> <p>ELISA, 0.1-0.5 µg/mL/mL, Human</p> <p>1. Akhmanova, A., Hoogenraad, C. C., Drabek, K., Stepanova, T., Dortland, B., Verkerk, T., Vermeulen, W., Burgering, B. M., De Zeeuw, C. I., Grosveld, F., Galjart, N. CLASPs are CLIP-115 and -170 associating proteins involved in the regional regulation of microtubule dynamics in motile fibroblasts. Cell 104: 923-935, 2001. 2. Hartz, P. A. Personal Communication. Baltimore, Md. 10/31/2013. 3. Ishikawa, K., Nagase, T., Suyama, M., Miyajima, N., Tanaka, A., Kotani, H., Nomura, N., Ohara, O. Prediction of the coding sequences of unidentified human genes. X. The complete sequences of 100 new cDNA clones from brain which can code for large proteins in vitro. DNA Res. 5: 169-176, 1998.</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. |