Datasheet for ABIN7602726

# anti-Centriolin antibody (AA 991-2187)

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## Overview

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| Quantity: | 100 µg |
| Target: | Centriolin (CNTRL) |
| Binding Specificity: | AA 991-2187 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Centriolin antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Flow Cytometry (FACS) |

## Product Details

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| Purpose: | Anti-CEP110/CNTRL Antibody Picoband® |
| Immunogen: | E.coli-derived human CEP110/CNTRL recombinant protein (Position: T991-E2187). |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins |
| Characteristics: | Anti-C-CNTRL Antibody Picoband® (ABIN7602726). Tested in WB, Flow Cytometry, ELISA 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

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| Target: | Centriolin (CNTRL) |
| Alternative Name: | CNTRL (CNTRL Products) |
| Background: | Synonyms: CNTRL, CEP1, CEP110, Centriolin, Centrosomal protein 1, Centrosomal protein of 110 kDa, Cep110<br>Background: Centriolin is a protein that in humans is encoded by the CNTRL gene. It was previously known as CEP110. This gene encodes a centrosomal protein required for the centrosome to function as a microtubule organizing center. The gene product is also associated with centrosome maturation. One version of stem cell myeloproliferative disorder is the result of a reciprocal translocation between chromosomes 8 and 9, with the breakpoint associated with fibroblast growth factor receptor 1 and centrosomal protein 1. |
| Molecular Weight: | 269 kDa |
| Gene ID: | 11064 |
| UniProt: | Q7Z7A1 |
| Pathways: | M Phase, SARS-CoV-2 Protein Interactome |

## Application Details

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| Application Notes: | Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat<br>Flow Cytometry (Fixed), 1-3 µg/1x$10^6$ cells, Human<br>ELISA, 0.1-0.5 µg/mL<br>1. Guasch, G., Mack, G. J., Popovici, C., Dastugue, N., Birnbaum, D., Rattner, J. B., Pebusque, M.-J. FGFR1 is fused to the centrosome-associated protein CEP110 in the 8p12 stem cell myeloproliferative disorder with t(8,9)(p12,q33). Blood 95: 1788-1796, 2000. 2. Ou, Y. Y., Mack, G. J., Zhang, M., Rattner, J. B. CEP110 and ninein are located in a specific domain of the centrosome associated with centrosome maturation. J. Cell Sci. 115: 1825-1835, 2002. 3. Popovici, C., Mattei, M.-G., Rattner, J. B., Birnbaum, D., Pebusque, M.-J. Assignment of the centrosomal protein 110 gene (Cep110) to mouse chromosome bands 2B-C1 by in situ hybridization. Cytogenet. Cell Genet. 89: 216-217, 2000. |
| 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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| Concentration: | 500 µg/mL |
| Buffer: | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4. |
| 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. |