

Resource Summary Report

Generated by RRID on Jul 29, 2026

CP110 antibody

RRID:AB_10638480

Type: Antibody

Proper Citation

Proteintech Cat# 12780-1-AP, RRID:AB_10638480

Antibody Information

URL: http://antibodyregistry.org/AB_10638480

Proper Citation: Proteintech Cat# 12780-1-AP, RRID:AB_10638480

Target Antigen: CP110

Host Organism: rabbit

Clonality: polyclonal

Comments: Originating manufacturer of this product.

Applications: WB, IP, IHC, IF, FC, ELISA

Used By NYUIHC-1074

Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE

Antibody Name: CP110 antibody

Description: This polyclonal targets CP110

Target Organism: rat, xenopus, mouse, dog, human

Antibody ID: AB_10638480

Vendor: Proteintech

Catalog Number: 12780-1-AP

Record Creation Time: 20250819T232925+0000

Record Last Update: 20250820T052945+0000

Ratings and Alerts

- Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE - NYU Langone's Center for Biospecimen Research and Development <https://med.nyu.edu/research/scientific-cores-shared-resources/center-biospecimen-research-development>

No alerts have been found for CP110 antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Pudlowski R, et al. (2025) A delta-tubulin/epsilon-tubulin/Ted protein complex is required for centriole architecture. eLife, 13.

Iyer SS, et al. (2025) Centriolar cap proteins CP110 and CPAP control slow elongation of microtubule plus ends. The Journal of cell biology, 224(3).

Chou PC, et al. (2025) Phase separation of TTBK2 and CEP164 is necessary for ciliogenesis. Cell reports, 44(6), 115810.

Farrell KC, et al. (2024) Spindle assembly checkpoint-dependent mitotic delay is required for cell division in absence of centrosomes. eLife, 12.

Mao YQ, et al. (2024) DPCD is a regulator of R2TP in ciliogenesis initiation through Akt signaling. Cell reports, 43(2), 113713.

Wang T, et al. (2024) Dual roles of CCDC102A in governing centrosome duplication and cohesion. Cell reports, 43(2), 113696.

Mouery RD, et al. (2024) Proteomic analysis reveals a PLK1-dependent G2/M degradation program and a role for AKAP2 in coordinating the mitotic cytoskeleton. Cell reports, 43(8), 114510.

Laporte MH, et al. (2024) Time-series reconstruction of the molecular architecture of human centriole assembly. Cell, 187(9), 2158.

Jewett CE, et al. (2023) Trisomy 21 induces pericentrosomal crowding delaying primary ciliogenesis and mouse cerebellar development. eLife, 12.

Carden S, et al. (2023) Proteomic profiling of centrosomes across multiple mammalian cell and tissue types by an affinity capture method. Developmental cell, 58(21), 2393.

Jang DG, et al. (2022) GJA1 depletion causes ciliary defects by affecting Rab11 trafficking to the ciliary base. *eLife*, 11.

Chen F, et al. (2022) Self-assembly of pericentriolar material in interphase cells lacking centrioles. *eLife*, 11.

Jewett CE, et al. (2021) RAB19 Directs Cortical Remodeling and Membrane Growth for Primary Ciliogenesis. *Developmental cell*, 56(3), 325.

Ganga AK, et al. (2021) Rab34 GTPase mediates ciliary membrane formation in the intracellular ciliogenesis pathway. *Current biology : CB*, 31(13), 2895.

Dobbelaere J, et al. (2020) Cep97 Is Required for Centriole Structural Integrity and Cilia Formation in *Drosophila*. *Current biology : CB*, 30(15), 3045.

Kodani A, et al. (2020) Posterior Neocortex-Specific Regulation of Neuronal Migration by CEP85L Identifies Maternal Centriole-Dependent Activation of CDK5. *Neuron*, 106(2), 246.

Clijsters L, et al. (2019) Cyclin F Controls Cell-Cycle Transcriptional Outputs by Directing the Degradation of the Three Activator E2Fs. *Molecular cell*, 74(6), 1264.

Sydor AM, et al. (2018) PPP1R35 is a novel centrosomal protein that regulates centriole length in concert with the microcephaly protein RTTN. *eLife*, 7.

Ling H, et al. (2018) Histone Deacetylase SIRT1 Targets Plk2 to Regulate Centriole Duplication. *Cell reports*, 25(10), 2851.

Hamel V, et al. (2017) Identification of *Chlamydomonas* Central Core Centriolar Proteins Reveals a Role for Human WDR90 in Ciliogenesis. *Current biology : CB*, 27(16), 2486.