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# CCDC141 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16548a

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | Q6ZP82 |
| **Other Accession** | NP_775919.2 |
| **Reactivity** | Human |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB36102 |
| **Calculated MW** | 175067 |
| **Antigen Region** | 1-30 |

## Additional Information

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|---|---|
| **Gene ID** | 285025 |
| **Other Names** | Coiled-coil domain-containing protein 141, Coiled-coil protein associated with myosin II and DISC1, CCDC141, CAMDI {ECO:0000303\|PubMed:20956536} |
| **Target/Specificity** | This CCDC141 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human CCDC141. |
| **Dilution** | WB~~1:1000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | CCDC141 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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|---|---|
| **Name** | CCDC141 |
| **Synonyms** | CAMDI {ECO:0000303\|PubMed:20956536} |
| **Function** | Plays a critical role in cortical radial and GnRH neurons migration during |

brain development. Regulates cortical radial migration by negatively controlling the activity of histone deacetylase 6 (HDAC6) and promotes centrosome maturation. CAMDI is required for dilation formation of cortical neurons during radial migration. Plays a critical role in learning and memory performance through regulation of AMPA- selective glutamate receptors (AMPARs) cell surface expression in competition with KIBRA.

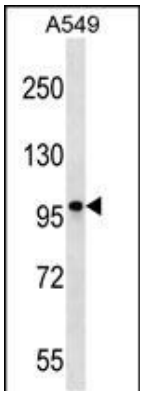
**Cellular Location**

Cytoplasm {ECO:0000250|UniProtKB:E9Q8Q6}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome {ECO:0000250|UniProtKB:E9Q8Q6}. Note=Co-localized with DISC1 at/around the centrosome. Localizes to the centrosome, at least in part, in a DISC1-dependent manner. Accumulates and oscillates at the dilation in cortical neurons during migration. CAMDI protein level is stabilized at the G1 phase and destabilized at the G2 /M phase {ECO:0000250|UniProtKB:E9Q8Q6}

## References

Ehret, G.B., et al. Eur. J. Hum. Genet. 17(12):1650-1657(2009)
Morris, J.A., et al. Hum. Mol. Genet. 12(13):1591-1608(2003)

## Images




CCDC141 Antibody (N-term) (Cat. #AP16548a) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the CCDC141 antibody detected the CCDC141 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.