

Datasheet for 600-401-AF2**CCDC141 Antibody****Overview**

Description:	Anti-CCDC141 (RABBIT) Antibody - 600-401-AF2
Item No.:	600-401-AF2
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	Coiled-coil domain-containing protein 141 (CCDC141), also known as CAMDI, is a recently identified disrupted in schizophrenia 1 (DISC1)-binding protein that also associates with myosin II. CCDC141 preferentially associates with phosphomyosin II and causes an accumulation of phosphomyosin II at the centrosome in a DISC1-dependent manner. Knockdown of CCDC141 expression by RNAi led to severely impaired radial migration with disoriented chromosomes, suggesting that CCDC141 is required for radial migration through DISC1 and myosin II-mediated centrosome positioning during neuronal development.
Synonyms:	CCDC141 Antibody, CAMDI, Coiled-coil domain-containing protein 141
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CCDC141
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-CCDC141 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the N-terminus of human CCDC141.

Purity/Specificity: Anti-CCDC141 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least four isoforms of CCDC141 are known to exist.

Relevant Links:

- [UniProtKB - Q6ZP82](#)
- [GeneID - 285025](#)
- [NCBI - NP_775919](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-CCDC141 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000

IF: 20 µg/mL

IHC: 5 µg/mL

WB: 1 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1mg/ml by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

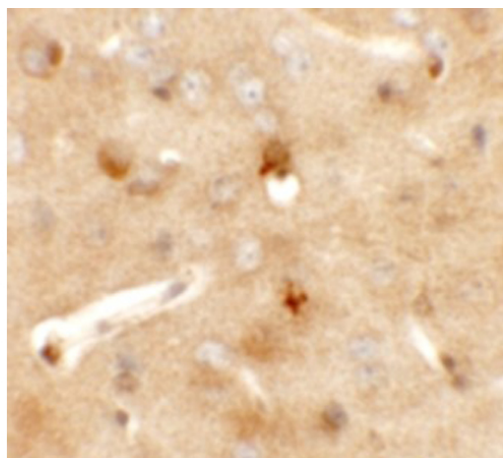
Shipping & Handling

Shipping Condition: Dry Ice

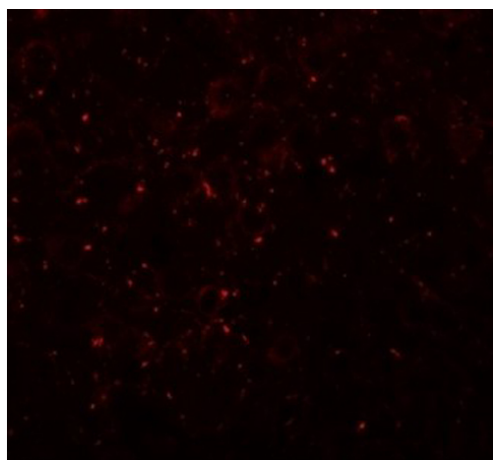
Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration:

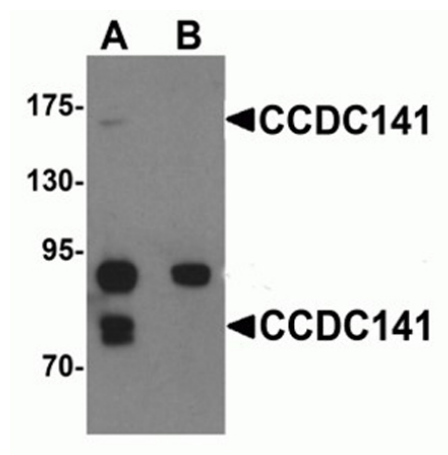
Expiration date is one (1) year from date of receipt.

Images**Immunohistochemistry**

Immunohistochemistry of CCDC141. Tissue: mouse brain tissue. Primary Antibody: CCDC141 antibody at 5 μ g/mL.

**Immunofluorescence Microscopy**

Immunofluorescence of CCDC141. Tissue: mouse brain tissue. Primary Antibody: CCDC141 antibody at 20 μ g/mL.

**Western Blot**

Western blot analysis of CCDC141. Load: SK-N-SH cell tissue lysate. Primary Antibody: CCDC141 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.