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

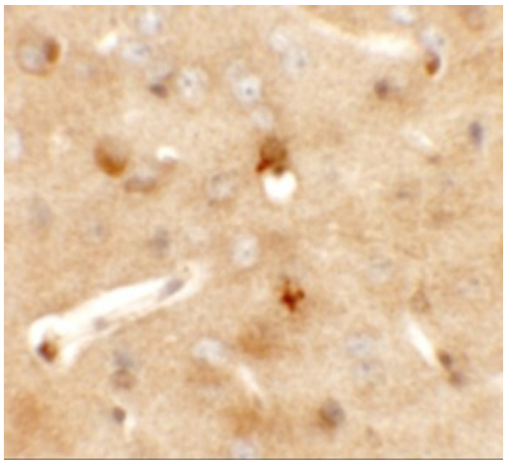
Physical State:	Liquid (sterile filtered)
Concentration:	1mg/ml by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

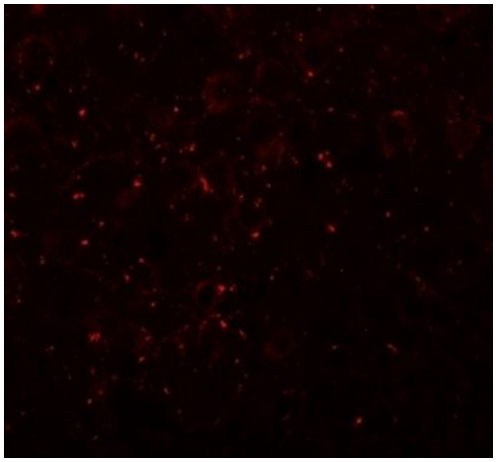
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several 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.

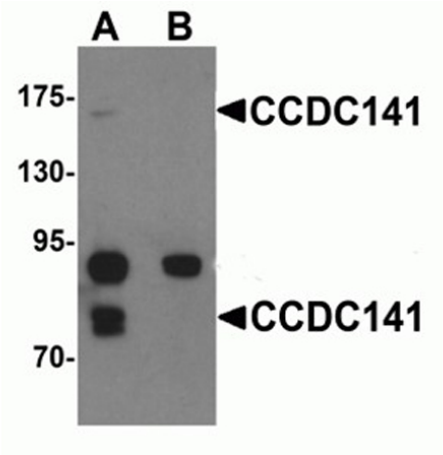
Images



Immunohistochemistry
Immunohistochemistry of CCDC141. Tissue: mouse brain tissue. Priamry Antibody: CCDC141 antibody at 5 µg/mL.



Immunofluorescence Microscopy
Immunofluorescence of CCDC141. Tissue: mouse brain tissue. Primary Antibody: CCDC141 antibody at 20 µg/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.

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