

Anti-CCDC141 Antibody

Catalog Number: A15486

About CCDC141

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.

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Overview

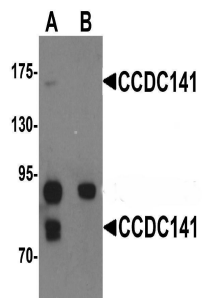
Product Name	Anti-CCDC141 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-CCDC141 Antibody (Catalog # A15486). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	CCDC141 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	CCDC141 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q6ZP82

Technical Details

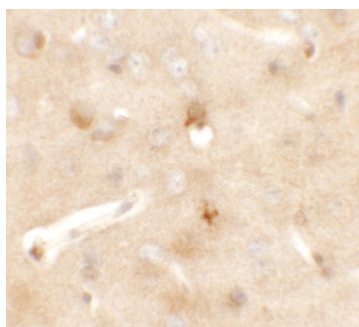
Immunogen	CCDC141 antibody was raised against an 18 amino acid synthetic peptide near the amino terminus of human CCDC141. The immunogen is located within amino acids 40 - 90 of CCDC141.
Predicted Reactive Species	Bovine

Cross Reactivity	At least four isoforms of CCDC141 are known to exist.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	CCDC141 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	CCDC141 antibody can be used for detection of CCDC141 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

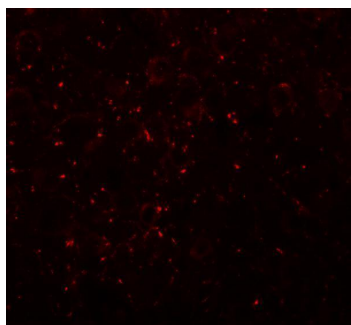
Anti-CCDC141 Antibody (A15486) Images



Western blot analysis of CCDC141 in SK-N-SH cell tissue lysate with CCDC141 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide



Immunohistochemistry of CCDC141 in mouse brain tissue with CCDC141 antibody at 5 ug/mL.



Immunofluorescence of CCDC141 in mouse brain tissue with CCDC141 antibody at 20 ug/mL.

Anti-CCDC141 Antibody

For Research Use Only. Not for use in diagnostic procedures.