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Datasheet for 600-401-AF3

CCDC22 Antibody

Overview

Description:	Anti-CCDC22 (RABBIT) Antibody - 600-401-AF3
Item No.:	600-401-AF3
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	CCDC22 is a recently identified coiled-coil domain-containing protein that has been shown to bind copines, which are calcium-dependent, membrane-binding proteins that may function in calcium signaling. In rat, CCDC22 has been observed to localize in multiple regions of the brain, including the prefrontal and somatosensory cortex, dentate gyrus and thalamus, and in the ipsilateral motor neurons of the spinal cord after sciatic nerve transection suggesting that it may play a role in neuronal injury response. The human CCDC22 gene has been identified as a novel candidate gene for syndromic X-linked intellectual disability (XLID).
Synonyms:	CCDC22 Antibody, JM1, CXorf37, JM1, Coiled-coil domain-containing protein 22
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CCDC22
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-CCDC22 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the N-terminus of human CCDC22.

Purity/Specificity:	Anti-CCDC22 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least three isoforms of CCDC22 are known to exist; this antibody will detect the two largest isoforms.
Relevant Links:	• UniProtKB - O60826 • GeneID - 28952 • NCBI - NP_054727

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-CCDC22 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 71 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
WB:	1-2 µg/mL

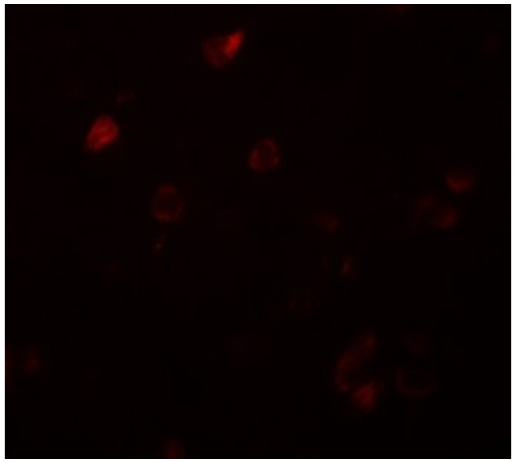
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/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

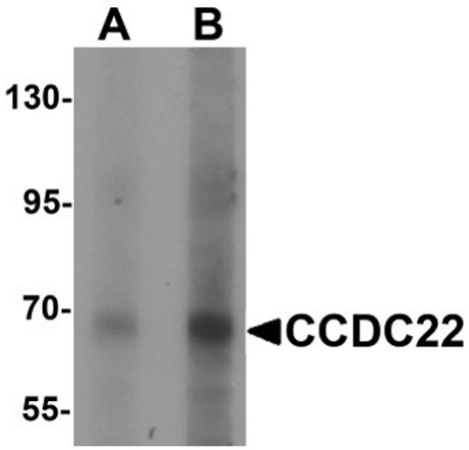
Shipping & Handling

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



Immunofluorescence Microscopy
Immunofluorescence of CCDC22.
Tissue: human brain tissue.
Primary Antibody: CCDC22 antibody at 20 µg/mL.



Western Blot
Western blot analysis of CCDC22.
Load: 293 cell lysate.
Primary Antibody: CCDC22 antibody at (A) 1 and (B) 2 µg/mL.

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