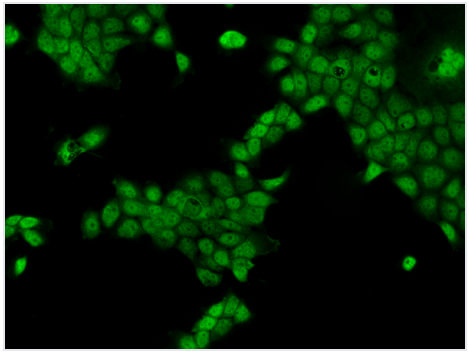
CCDC141 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CCDC141, Polyclonal Antibody
Full Product Name	Anti-CCDC141 Antibody, Rabbit Polyclonal
Product Gene Name	anti-CCDC141 antibody
Product Synonym Names	CCDC141 Antibody, Rabbit PAb, Antigen Affinity Purified; Anti-CAMDI Antibody
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Purity/Purification	Protein A & Antigen Affinity
Specificity	Human CCDC141
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.
Immunogen	E Coli-derived Human CCDC141 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human CCDC141 fragment, and purified by antigen affinity chromatography.
Applications Tested/Suitable for anti-CCDC141 antibody	Immunocytochemistry (ICC), Immunofluorescence (IF)
Application Notes for anti-CCDC141 antibody	ICC/IF: 1:100-1:500
Related Product Information for anti-CCDC141 antibody	CCDC141 encodes a coiled-coil domain containing protein. Ccdc141 is expressed in GnRH neurons and olfactory fibers and that knockdown of Ccdc141 reduces GnRH neuronal migration. Ccdc141 is a cytoskeletal scaffolding protein that links cellular actin and microtubule components of the cytoskeleton, which underlie the shape and motility of a cell, with force-generating motor proteins. During migration of gonadotropin-releasing hormone (GnRH) neurons from nasal regions to the hypothalamus, the actin cytoskeleton and myosin motor proteins generate force to move the nucleus forward. This force generates tension on the microtubule cytoskeleton, which forms a cage around the nucleus and thereby pulls the nucleus forward. CCDC141, in association with disrupted in schizophrenia-1 (Disc1) and myosin II, has been implicated in cortical interneuron migration in mice.
Product References and Citations for anti-CCDC141 antibody	Turan I, et al. (2017) Ccdc141 mutations in idiopathic hypogonadotropic hypogonadism. J Clin Endocrinol Metab 102 (6): 1816-1825.Hutchins BI, et al. (2016) Ccdc141 mutation identified in anosmic hypogonadotropic hypogonadism (kallmann syndrome) alters gnrh neuronal migration. Endocrinology 157 (5): 1956-1966.
Other Notes	Small volumes of anti-CCDC141 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CCDC141 purchase	MBS8109990 is an antibody targeting CCDC141. Also known as Anti-CCDC141 Antibody, Rabbit Polyclonal. Reactive in Human. Host: Rabbit.



Immunofluorescence (IF) of anti-CCDC141 antibody
Immunofluorescence staining of CCDC141 in A431 cells. Cells were fixed with 4% PFA, permeabilzed with 0.1% Triton X-100 in PBS,blocked with 10% serum, and incubated with rabbit anti-Human CCDC141 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Nucleus and Cytoplasm.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CCDC141. It may not necessarily be applicable to this product.

Protein Family	Coiled-coil domain-containing protein
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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