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CCDC46 Rabbit pAb

Catalog # AP97901

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8N8E3
Other Accession	Q8N8E3
Reactivity	Human, Mouse
Predicted	Rat, Pig, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	112749
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CCDC46
Epitope Specificity	751-850/955
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a protein with filament, myosin tail and ATPase domains. Orthologs of this gene exist in mouse, rat and chimp. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008].

Additional Information

Gene ID	201134
Other Names	CCDC46; MACOCO; SPGF44; 1700001M19Rik; 1700029K01Rik; 8430407H02Rik; RGD1564168; CE112_HUMAN; CEP112; Coiled-coil domain-containing protein 46; CE112_MOUSE; centrosomal protein 112; coiled-coil domain containing 46; centrosomal protein 112kDa
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CEP112
Synonyms	CCDC46

Function	Recruits mRNAs essential for sperm development, such as CFAP61 and FSIP2 mRNAs, into phase-separated condensates, thereby regulating their translation through a mechanism of liquid-liquid phase separation.
Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Nucleus. Cytoplasm Cytoplasm, Cytoplasmic ribonucleoprotein granule. Cytoplasm, cytoskeleton, flagellum axoneme. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Note=In spermatogonia and early spermatocytes, CEP112 has diffuse localization in both the cytoplasm and nucleus. As cells progress to the round spermatid stage, it begins to concentrate in distinct cytoplasmic foci. In elongating spermatids, these foci become more pronounced and localized primarily to the cytoplasm, often in close proximity to the developing acrosome and manchette. In mature spermatozoa, is localized to the neck region, atypical centrioles and the base of the axoneme

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.