

C1orf114 Rabbit pAb

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Catalog # AP55738

Product Information

Application	WB
Primary Accession	Q5TID7
Reactivity	Human
Predicted	Rat, Pig, Mouse, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60103
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C1orf114
Epitope Specificity	101-200/509
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	Chromosome 1 is the largest human chromosome spanning about 260 million base pairs and making up 8% of the human genome. There are about 3,000 genes on chromosome 1, and considering the great number of genes there are also a large number of diseases associated with chromosome 1. Notably, the rare aging disease Hutchinson-Gilford progeria is associated with the LMNA gene which encodes lamin A. When defective, the LMNA gene product can build up in the nucleus and cause characteristic nuclear blebs. The mechanism of rapidly enhanced aging is unclear and is a topic of continuing exploration. The MUTYH gene is located on chromosome 1 and is partially responsible for familial adenomatous polyposis. Stickler syndrome, Parkinsons, Gaucher disease and Usher syndrome are also associated with chromosome 1. A breakpoint has been identified in 1q which disrupts the DISC1 gene and is linked to schizophrenia. Aberrations in chromosome 1 are found in a variety of cancers including head and neck cancer, malignant melanoma and multiple myeloma. The C1orf114 gene product has been provisionally designated C1orf114 pending further characterization.

Additional Information

Gene ID	57821
Other Names	Coiled-coil domain-containing protein 181, CCDC181 (HGNC:28051)
Dilution	WB=1:500-2000
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.

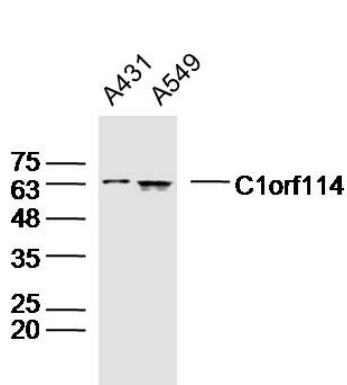
Protein Information

Name	CCDC181 (HGNC:28051)
Function	Microtubule-binding protein that is essential for the integrity and function of the manchette, facilitating proper sperm head shaping and subsequent flagellum formation during spermatogenesis.
Cellular Location	Cytoplasm, cytoskeleton {ECO:0000250 UniProtKB:Q80ZU5}. Cell projection, cilium, flagellum {ECO:0000250 UniProtKB:Q80ZU5}. Cell projection, cilium. Cytoplasm, cytoskeleton, cilium axoneme. Note=Localizes to the microtubular manchette of elongating spermatids. Localizes to the sperm flagella and to the basal half of motile cilia. {ECO:0000250 UniProtKB:Q80ZU5}

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Images



Sample:
A431 Cell (Human) Lysate at 40 ug
A549 Cell (Human) Lysate at 40 ug
Primary: Anti-C1orf114(AP55738)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 60kD
Observed band size: 63kD

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