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CCDC114 Rabbit pAb

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Catalog # AP58869

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q96M63
Predicted	Rat, Pig, Dog, Human, Mouse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	75046
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CCDC114
Epitope Specificity	1-100/670
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	CCDC114, also known as FLJ32926, is a 360 amino acid protein encoded by a gene mapping to human chromosome 19. Consisting of around 63 million bases with over 1,400 genes, chromosome 19 makes up over 2% of human genomic DNA. Chromosome 19 includes a diversity of interesting genes and is recognized for having the greatest gene density of the human chromosomes. It is the genetic home for a number of immunoglobulin superfamily members including the killer cell and leukocyte Ig-like receptors, a number of ICAMs, the CEACAM and PSG family, and Fc?receptors. Key genes for eye color and hair color also map to chromosome 19. Peutz-Jeghers syndrome, spinocerebellar ataxia type 6, the stroke disorder CADASIL, hypercholesterolemia and insulin-dependent diabetes have been linked to chromosome 19. Translocations with chromosome 19 and chromosome 14 can be seen in some lymphoproliferative disorders and typically involve the proto-oncogene BCL3.

Additional Information

Gene ID	93233
Other Names	Outer dynein arm-docking complex subunit 1, Coiled-coil domain-containing protein 114, ODAD1 (HGNC:26560), CCDC114
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	ODAD1 (HGNC:26560)
Synonyms	CCDC114
Function	Component of the outer dynein arm-docking complex (ODA-DC) that mediates outer dynein arms (ODA) binding onto the doublet microtubule. Involved in mediating assembly of both ODAs and their axonemal docking complex onto ciliary microtubules (By similarity).
Cellular Location	Cytoplasm, cytoskeleton, cilium axoneme
Tissue Location	Expressed in nasal epithelial cells (PubMed:23261302, PubMed:23261303). Highly expressed in testis and also detected in lung, brain and kidney (PubMed:23261302)

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