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LRRC6 Rabbit pAb

Catalog # AP96741

Product Information

Application	WB
Primary Accession	Q86X45
Other Accession	Q86X45
Reactivity	Human, Mouse
Predicted	Rat, Pig, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54255
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LRRC6
Epitope Specificity	201-300/466
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the tilb protein family. Contains 1 CS domain. Contains 4 LRR (leucine-rich) repeats. Contains 1 LRRCT domain.
DISEASE	Defects in LRRC6 are the cause of primary ciliary dyskinesia 19 (CILD19) [MIM:614935]. A disorder characterized by abnormalities of motile cilia. Respiratory infections leading to chronic inflammation and bronchiectasis are recurrent, due to defects in the respiratory cilia; reduced fertility is often observed in male patients due to abnormalities of sperm tails. Half of the patients exhibit randomization of left-right body asymmetry and situs inversus, due to dysfunction of monocilia at the embryonic node. Primary ciliary dyskinesia associated with situs inversus is referred to as Kartagener syndrome.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The leucine-rich repeat-containing protein 6 (LRRC6), also designated Leucine-rich testis-specific protein (LRTP), is a 466 amino acid protein that contains 3 LRR repeats and plays a role in spermatogenesis. The gene encoding LRRC6 maps to chromosome 8, which encodes approximately 800 genes. Translocation of portions of chromosome 8 with amplifications of the c-Myc gene are found in some leukemias and lymphomas, and typically associated with a poor prognosis. Chromosome 8 is also associated with Trisomy 8, Pfeiffer syndrome, congenital hypothyroidism and Waardenburg syndrome.

Additional Information

Gene ID	23639
Other Names	CILD19; LRRC6; LRTP; TSLRP; tilB; DAA11_HUMAN; DNAAF11; Leucine-rich repeat-containing protein 6; Leucine-rich testis-specific protein; Protein tilB

	homolog; Testis-specific leucine-rich repeat protein; DAA11_MOUSE; Mc2;
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	DNAAF11 (HGNC:16725)
Function	Involved in dynein arm assembly, is important for expression and transporting outer dynein arm (ODA) proteins from the cytoplasm to the cilia (PubMed:23122589, PubMed:23527195, PubMed:33403504). Acts as a crucial component in the formation and motility of spermatozoal flagella (PubMed:33403504).
Cellular Location	Cytoplasm. Cell projection, cilium. Dynein axonemal particle {ECO:0000250|UniProtKB:A0A1L8G016}. Cell projection, cilium, flagellum
Tissue Location	Expressed predominantly in testis and in nasal epithelial cells.

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