

For Research Use Only

DNAH5 Polyclonal antibody

Catalog Number: 31079-1-AP



Basic Information

Catalog Number: 31079-1-AP	GenBank Accession Number: NM_001369	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 300 ug/ml by Nanodrop;	GeneID (NCBI): 1767	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q8TE73	IF/ICC 1:50-1:500
Isotype: IgG	Full Name: dynein, axonemal, heavy chain 5	
Immunogen Catalog Number: AG34647	Calculated MW: 529 kDa	

Applications

Tested Applications: IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse	IHC : human lung tissue, mouse lung tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IF/ICC : HeLa cells, HepG2 cells

Background Information

Dynein axonemal heavy chain 5 (DNAH5) is an axonemal heavy chain dynein, part of a microtubule-associated motor protein complex. DNAH5 is a large gene comprising 79 exons and one alternative first exon and encodes a heavy chain of the ODA. We have recently shown that recessive DNAH5 mutations are responsible for PCD characterized by ODA defects. DNAH5 mutations cause PCD and randomization of left-right asymmetry (PMID: 15750039).

Storage

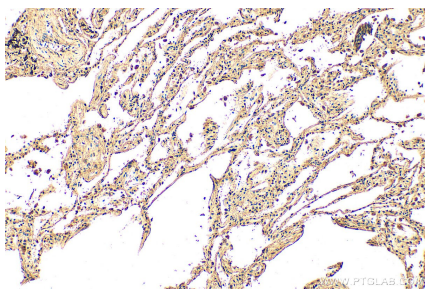
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

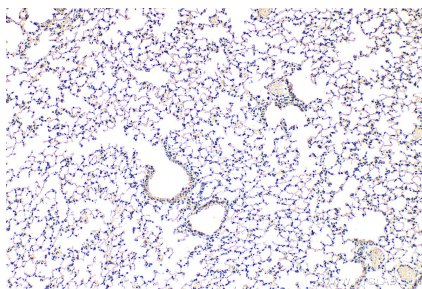
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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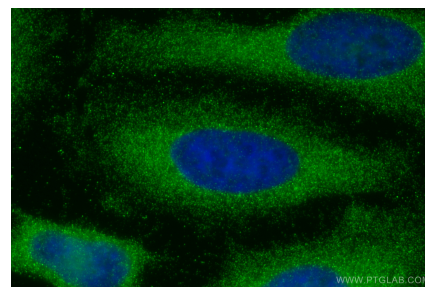
Selected Validation Data



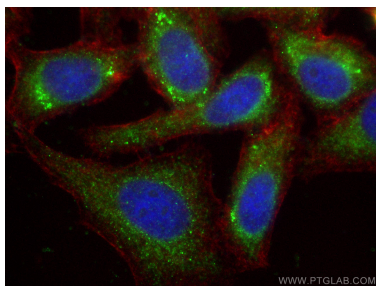
Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 31079-1-AP (DNAH5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 31079-1-AP (DNAH5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using DNAH5 antibody (31079-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using DNAH5 antibody (31079-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).