

# DNAH5 Polyclonal antibody

Catalog Number: 31079-1-AP

## Basic Information

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

## Applications

<b>Tested Applications:</b> IHC, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>IHC :</b> human lung tissue, mouse lung tissue <b>IF/ICC :</b> HeLa cells, HepG2 cells

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

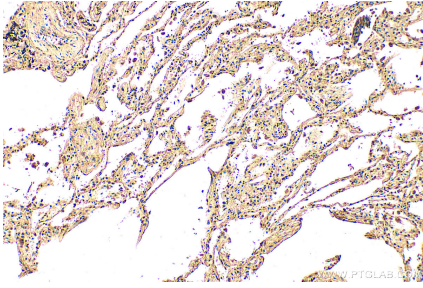
## Background Information

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).

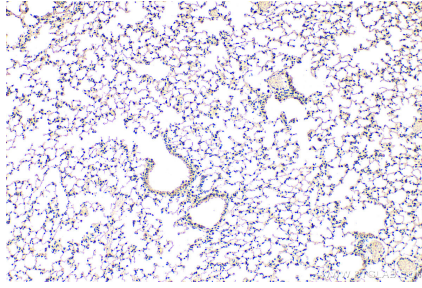
## Storage

**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

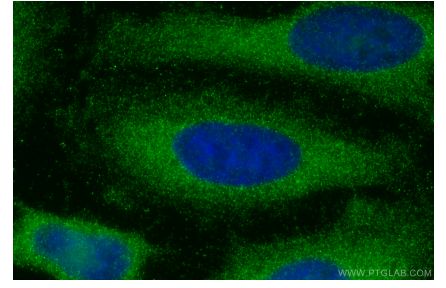
## Selected Validation Data



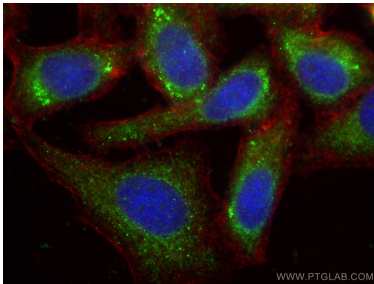
Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 31079-1-AP (DNAH5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).