

For Research Use Only

DNAH2 Polyclonal antibody

Catalog Number: 18841-1-AP

2 Publications



Basic Information

Catalog Number:

18841-1-AP

Size:

150ul, Concentration: 850 ug/ml by Nanodrop and 467 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_020877

GeneID (NCBI):

146754

UNIPROT ID:

Q9P225

Full Name:

dynein, axonemal, heavy chain 2

Calculated MW:

508 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

IHC, IF/ICC, ELISA

Cited Applications:

IF

Species Specificity:

human

Cited Species:

human

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

Positive Controls:

IHC : human colon tissue, human lung tissue

IF/ICC : A549 cells, U2OS cells

Background Information

DNAH2, also named as DNAHC2, DNHD3 and KIAA1503, belongs to the dynein heavy chain family. DNAH2 force generating protein of respiratory cilia and produces force towards the minus ends of microtubules. Dynein has ATPase activity; the force-producing power stroke is thought to occur on release of ADP. DNAH2 involved in sperm motility; implicated in sperm flagellar assembly.

Notable Publications

Author	Pubmed ID	Journal	Application
Zheng Zhou	39254424	Asian J Androl	IF
Shengjia Shi	38934611	Andrology	IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

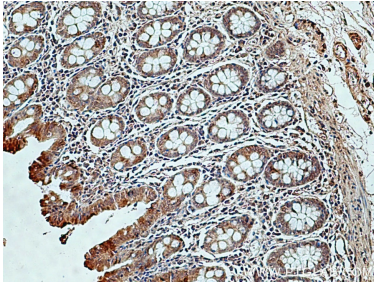
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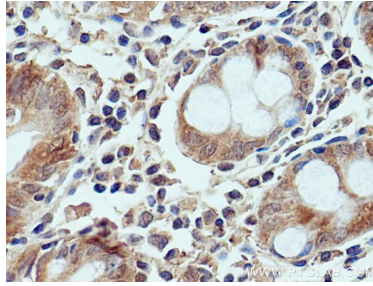
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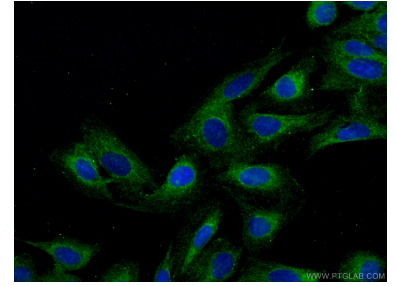
Selected Validation Data



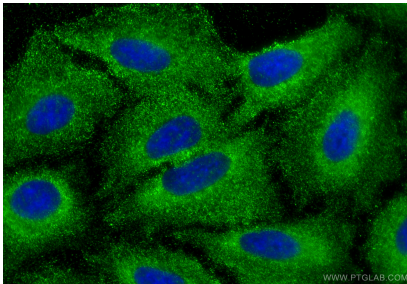
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 18841-1-AP (DNAH2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 18841-1-AP (DNAH2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using 18841-1-AP (DNAH2 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using DNAH2 antibody (18841-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).