

For Research Use Only

# DNAJC18 Polyclonal antibody

Catalog Number: 25162-1-AP

Featured Product



## Basic Information

<b>Catalog Number:</b> 25162-1-AP	<b>GenBank Accession Number:</b> BC030162	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 700 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 202052	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> DnaJ (Hsp40) homolog, subfamily C, member 18	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 358 aa, 42 kDa	
<b>Immunogen Catalog Number:</b> AG18498	<b>Observed MW:</b> 39-42 kDa	

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Species Specificity:

human, mouse

**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:

WB : HEK-293 cells, A431 cells, HepG2 cells

IHC : mouse testis tissue,

IF : U2OS cells,

## Background Information

DnaJC18, also named as DnaJ (Hsp40) homolog, subfamily C, member 21, belongs to Type III DnaJ Family. Type III DnaJ proteins have a J domain but lack the other sequence features that are found in type I and II members of the family. DnaJC18 might play a role in the process of spermatogenesis in adult testis (PMID: 29082339).

## 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

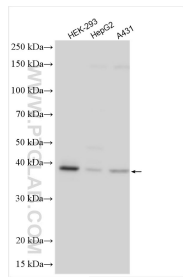
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

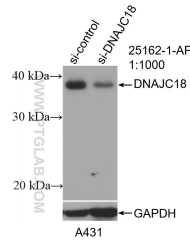
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

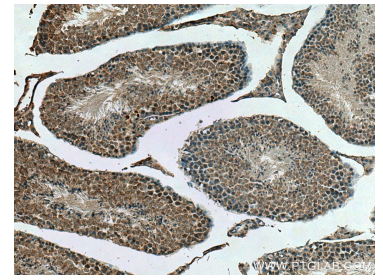
## Selected Validation Data



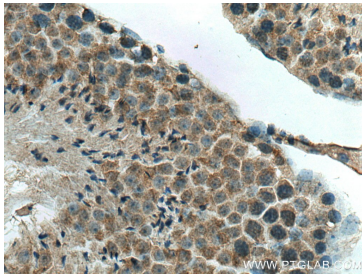
Various lysates were subjected to SDS PAGE followed by western blot with 25162-1-AP (DNAJC18 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



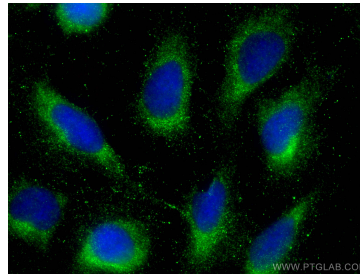
WB result of DNAJC18 antibody (25162-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DNAJC18 transfected A431 cells.



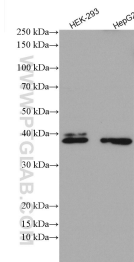
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 25162-1-AP (DNAJC18 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 25162-1-AP (DNAJC18 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 Methanol) fixed U2OS cells using DNAJC18 antibody (25162-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 25162-1-AP (DNAJC18 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.