

For Research Use Only

# DNAJC19 Polyclonal antibody

Catalog Number: 12096-1-AP

Featured Product

6 Publications



## Basic Information

### Catalog Number:

12096-1-AP

### Size:

150ul, Concentration: 600 µg/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2739

### GenBank Accession Number:

BC009702

### GeneID (NCBI):

131118

### UNIPROT ID:

Q96DA6

### Full Name:

DnaJ (Hsp40) homolog, subfamily C, member 19

### Calculated MW:

116 aa, 13 kDa

### Observed MW:

13 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF 1:10-1:100

## Applications

### Tested Applications:

IF, IP, WB, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human

### Positive Controls:

WB: HeLa cells, human brain tissue, human lung tissue

IP: mouse heart tissue,

IF: HepG2 cells,

## Background Information

DNAJC19 is a mitochondrial cochaperone that interacts with HSP70 chaperones through its conserved J-domain. As a transmembrane protein, DNAJC19 is strongly associated with the inner mitochondrial membrane. Mutations in DNAJC19 cause dilated cardiomyopathy with ataxia (DCMA). Recently DNAJC19 has been reported as interactor of PHB complex to regulate cardiolipin remodeling, which addressed the link of DNAJC19 to cardiomyopathy. This antibody is specific to DNAJC19 and had been tested by siRNA.(24856930)

## Notable Publications

Author	Pubmed ID	Journal	Application
Shotaro Saita	28288130	Nat Cell Biol	WB
Michelle Grace Acoba	33730581	Cell Rep	WB
Anna Janz	32521499	Stem Cell Res	

## 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

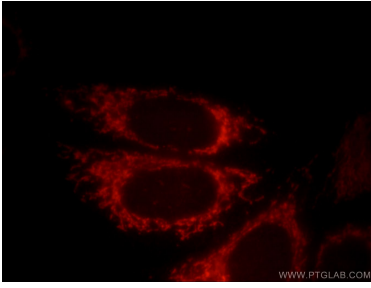
For technical support and original validation data for this product please contact:

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

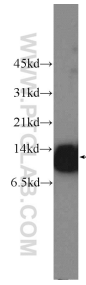
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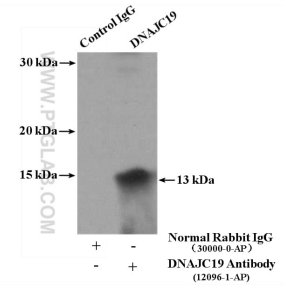
## Selected Validation Data



Immunofluorescent analysis of HepG2 cells, using DNAJC19 antibody 12096-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



HeLa cells were subjected to SDS PAGE followed by western blot with 12096-1-AP (DNAJC19 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-DNAJC19 (IP:12096-1-AP, 4ug; Detection:12096-1-AP 1:1000) with mouse heart tissue lysate 4000ug.