

For Research Use Only

# GRIM19 Polyclonal antibody

Catalog Number: 10986-1-AP

Featured Product

9 Publications



## Basic Information

### Catalog Number:

10986-1-AP

### Size:

150ul, Concentration: 500 µg/ml by Nanodrop and 213 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1435

### GenBank Accession Number:

BC009189

### GeneID (NCBI):

51079

### UNIPROT ID:

Q9P0J0

### Full Name:

NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13

### Calculated MW:

16.5 kDa

### Observed MW:

16-18 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

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

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human, rat, mouse

### Positive Controls:

WB: mouse heart tissue, HEK-293 cells, MCF-7 cells, rat heart tissue

IP: HEK-293 cells,

IHC: human prostate cancer tissue, human heart tissue, human kidney tissue

**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

GRIM19 (Gene associated with retinoic and interferon-induced mortality 19 protein) is also named as NDUFA13, CI-B16.6 and belongs to the complex I NDUFA13 subunit family. GRIM-19 may distribute in the mitochondria and/or nucleus depending on the cell type. Alternatively, its cellular localization may be regulated by post-translational modifications such as phosphorylation and acetylation. Lastly, GRIM-19 may exist in different isoforms that may be distributed in distinct cellular locations (PMID:12628925).

## Notable Publications

Author	Pubmed ID	Journal	Application
Chang Su	33093908	Exp Ther Med	WB
Xiguang Xu	36424632	BMC Biol	WB
Kebang Hu	26984284	Int J Oncol	

## 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

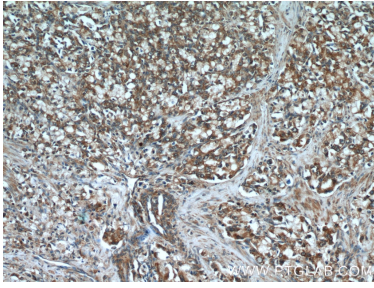
For technical support and original validation data for this product please contact:

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

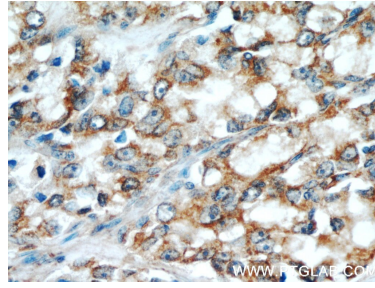
E: proteintech@ptglab.com  
W: ptglab.com

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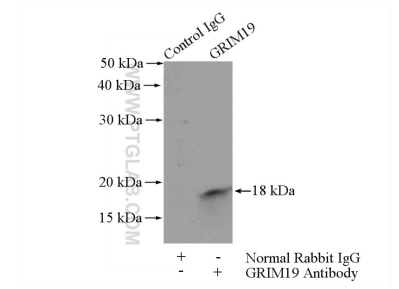
## Selected Validation Data



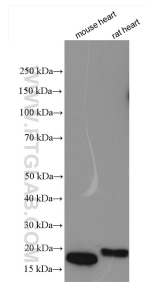
Immunohistochemical analysis of paraffin-embedded human prostate cancer using 10986-1-AP (GRIM19 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 10986-1-AP (GRIM19 antibody) at dilution of 1:50 (under 40x lens).



IP result of anti-GRIM19 (IP:10986-1-AP, 4ug; Detection:10986-1-AP 1:500) with HEK-293 cells lysate 2000ug.



Various lysates were subjected to SDS PAGE followed by western blot with 10986-1-AP (GRIM19 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.