

For Research Use Only

# POPDC3 Polyclonal antibody

Catalog Number: 11800-1-AP

Featured Product

3 Publications



## Basic Information

### Catalog Number:

11800-1-AP

### Size:

700 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2375

### GenBank Accession Number:

BC022323

### GeneID (NCBI):

64208

### UNIPROT ID:

Q9HBV1

### Full Name:

popeye domain containing 3

### Calculated MW:

34 kDa

### Observed MW:

60 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:50-1:500

## Applications

### Tested Applications:

IHC, IP, WB, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human

### Positive Controls:

WB: COLO 320 cells, HEK-293 cells

IP: HeLa cells,

IHC: mouse heart tissue, human skeletal muscle tissue, human placenta tissue, human testis tissue, human spleen tissue, human lung 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

The Popeye domain-containing (POPDC) gene family includes BVES/POPDC1, POPDC2 and POPDC3. POPDC proteins are highly evolutionarily conserved transmembrane proteins expressed in embryonic epithelium, heart and muscle. POPDC3 is a 291-amino acid protein containing three putative transmembrane domains. It has been reported that POPDC3 expression is reduced in gastric cancer, suggesting it might play an important role in the progression and metastases of gastric cancer. (PMID: 10882522; 20627872; 22654436)

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuying Wu	36713522	Front Oncol	IHC
Luo Deng D	22654436	World J Gastroenterol	IHC
Kim Mirang M	20627872	Carcinogenesis	WB,IHC

## 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

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

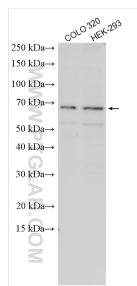
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

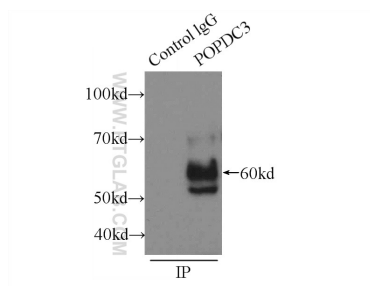
W: [ptgcn.com](http://ptgcn.com)

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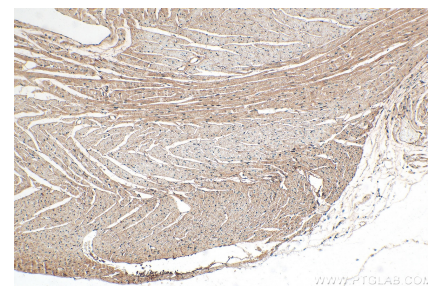
## Selected Validation Data



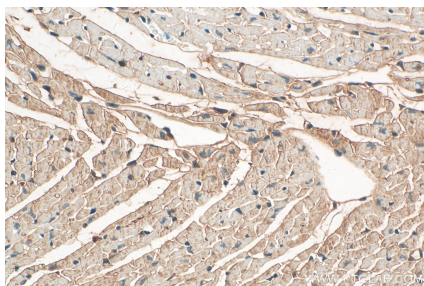
Various lysates were subjected to SDS PAGE followed by western blot with 11800-1-AP (POPDC3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-POPDC3 (IP:11800-1-AP, 3ug; Detection:11800-1-AP 1:1000) with HeLa cells lysate 220ug.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 11800-1-AP (POPDC3 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 heart tissue slide using 11800-1-AP (POPDC3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).