

For Research Use Only

# PHC2 Polyclonal antibody

Catalog Number: 12867-1-AP

1 Publications



## Basic Information

### Catalog Number:

12867-1-AP

### Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3507

### GenBank Accession Number:

BC028396

### GeneID (NCBI):

1912

### UNIPROT ID:

Q8IXK0

### Full Name:

polyhomeotic homolog 2 (Drosophila)

### Calculated MW:

858 aa, 91 kDa

### Observed MW:

40 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:50-1:500

IF/ICC 1:500-1:2000

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

IF

### Species Specificity:

human, mouse, rat

### Cited Species:

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 : A375 cells, A549 cells

IP : HL-60 cells,

IHC : human pancreas cancer tissue, mouse kidney tissue

IF/ICC : A549 cells, A375 cells

## Notable Publications

| Author         | Pubmed ID | Journal  | Application |
|----------------|-----------|----------|-------------|
| Stefan Niekamp | 38521066  | Mol Cell | IF          |

## 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

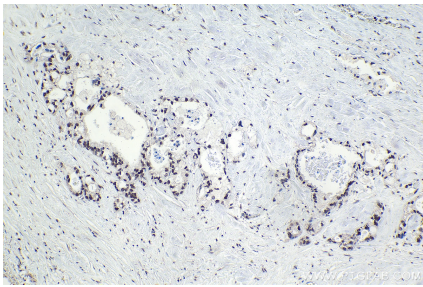
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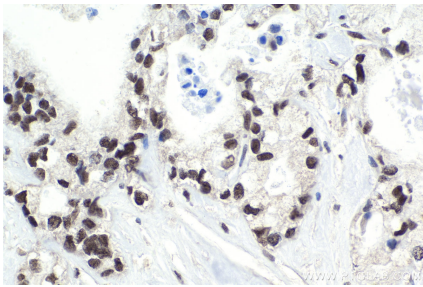
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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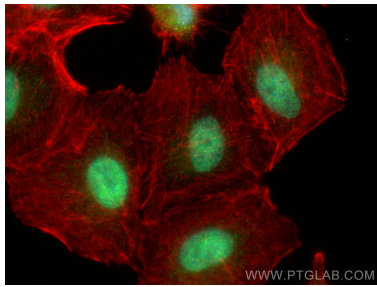
Selected Validation Data



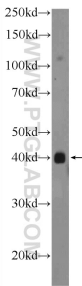
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 12867-1-AP (PHC2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



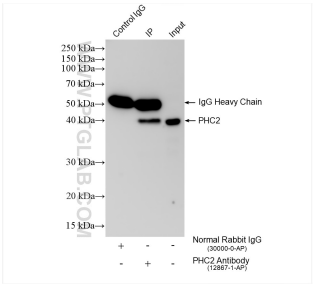
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 12867-1-AP (PHC2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A549 cells using PHC2 antibody (12867-1-AP) at dilution of 1:1000 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).



A375 cells were subjected to SDS PAGE followed by western blot with 12867-1-AP (PHC2 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-PHC2 (IP:12867-1-AP, 4ug; Detection:12867-1-AP 1:1500) with HL-60 cells lysate 2240 ug.