

For Research Use Only

# PIK3C2A Polyclonal antibody

Catalog Number: 22028-1-AP

Featured Product

10 Publications



## Basic Information

### Catalog Number:

22028-1-AP

### Size:

150ul, Concentration: 800 µg/ml by Nanodrop and 393 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG16894

### GenBank Accession Number:

BC113658

### GeneID (NCBI):

5286

### Full Name:

phosphoinositide-3-kinase, class 2, alpha polypeptide

### Calculated MW:

1686 aa, 191 kDa

### Observed MW:

191 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:8000

IP 0.5-4.0 µg for IP and 1:500-1:2000

for WB

IHC 1:50-1:500

IF 1:50-1:500

## Applications

### Tested Applications:

IF, IHC, IP, WB, ELISA

### Cited Applications:

IF, IHC, WB

### Species Specificity:

human, mouse

### Cited Species:

human, rat

**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 : HeLa cells, PC-3 cells, human placenta tissue

IP : PC-3 cells,

IHC : mouse ovary tissue, mouse heart tissue

IF : HeLa cells,

## Background Information

### Notable Publications

Author	Pubmed ID	Journal	Application
Glenn F W Walpole	35484249	Nat Cell Biol	WB
Huayi Li	35098698	Adv Sci (Weinh)	WB,IF
Ellis L Ryan	34005327	J Cell Sci	WB,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

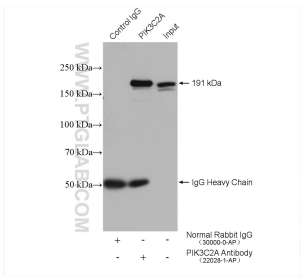
For technical support and original validation data for this product please contact:

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

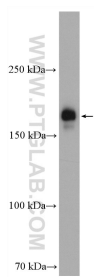
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

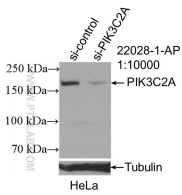
Selected Validation Data



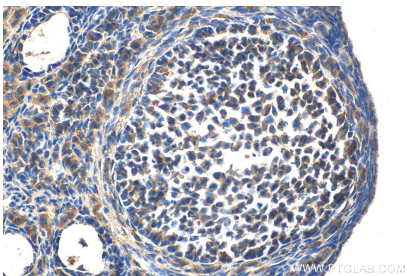
IP result of anti-PIK3C2A (IP:22028-1-AP, 4ug; Detection:22028-1-AP 1:1000) with PC-3 cells lysate 1760 ug.



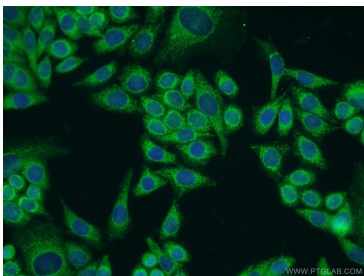
HeLa cells were subjected to SDS PAGE followed by western blot with 22028-1-AP (PIK3C2A antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



WB result of PIK3C2A antibody (22028-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PIK3C2A transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded mouse ovary tissue slide using 22028-1-AP (PIK3C2A antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HeLa cells using 22028-1-AP (PIK3C2A antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).