PIK3C2A Polyclonal ANTIBODY

Catalog Number: 22028-1-AP  Featured Product  3 Publications

Basic Information

Catalog Number: 22028-1-AP

Size: 59 μg/150 μl

Source: Rabbit

Isotype: IgG

Purification Method: Antigen affinity purification

Immunogen Catalog Number: AG16894

GenBank Accession Number: BC113658

GeneID (NCBI): 5286

Full Name: phosphoinositide-3-kinase, class 2, alpha polypeptide

Calculated MW: 1686aa, 191 kDa

Observed MW: 191 kDa

Recommended Dilutions:

- WB: 1:2000-1:8000
- IP: 0.5-4.0 μg for IP and 1:500-1:2000 for WB
- IHC: 1:20-1:200
- 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: human heart tissue; human placenta tissue
- IF: HeLa cells

Background Information

Notable Publications

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<th>Author</th>
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<tr>
<td>Shu-Xin Zhang</td>
<td>28106075</td>
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<td>Jun Dai</td>
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<td>Federico Gulluni</td>
<td>29017056</td>
<td>Cancer Cell</td>
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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: 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

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 human heart using 22028-1-AP (PIK3C2A antibody) at dilution of 1:50 (under 10x lens)**

**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)**

**Immunohistochemical analysis of paraffin-embedded human heart using 22028-1-AP (PIK3C2A antibody) at dilution of 1:50 (under 40x lens)**

Immunohistochemical analysis of paraffin-embedded human heart using 22028-1-AP (PIK3C2A antibody) at dilution of 1:50 (under 10x lens)