

# PIK3C2A Polyclonal Antibody

Catalog Number:E-AB-92388

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

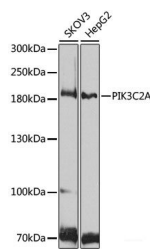
## Description

|                     |   |
|---------------------|---|
| <b>Reactivity</b>   | Human,Mouse,Rat                                 |
| <b>Immunogen</b>    | Recombinant fusion protein of human PIK3C2A     |
| <b>Host</b>         | Rabbit  |
| <b>Isotype</b>      | IgG   |
| <b>Purification</b> | Affinity purification                           |
| <b>Conjugation</b>  | Unconjugated                                    |
| <b>Formulation</b>  | PBS with 0.02% sodium azide,50% glycerol,pH7.3. |

## Applications Recommended Dilution

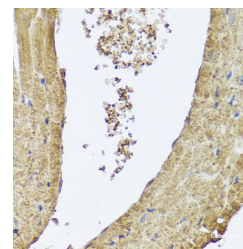
|            |              |
|------------|--------------|
| <b>WB</b>  | 1:500-1:2000 |
| <b>IHC</b> | 1:50-1:200   |
| <b>IF</b>  | 1:50-1:200   |
| <b>IP</b>  | 1:50-1:200   |

## Data

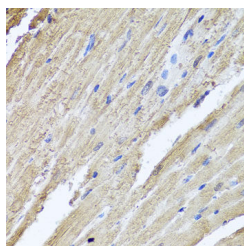


Western blot analysis of extracts of various cell lines using PIK3C2A Polyclonal Antibody at 1:1000 dilution.

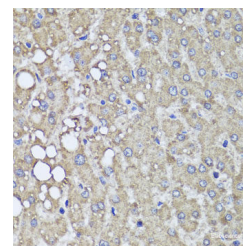
**Observed Mw:Refer to figures**  
**Calculated Mw:53kDa/190kDa**



Immunohistochemistry of paraffin-embedded mouse heart using PIK3C2A Polyclonal Antibody at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded rat heart using PIK3C2A Polyclonal Antibody at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded human liver damage using PIK3C2A Polyclonal Antibody at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

## For Research Use Only

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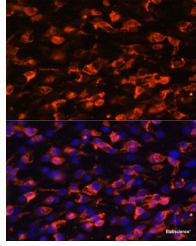
Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

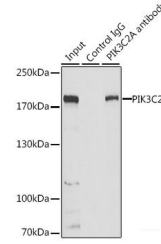
Fax: 1-832-243-6017

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Immunofluorescence analysis of C6 cells using PIK3C2A Polyclonal Antibody at dilution of 1:100.  
Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200ug extracts of HeLa cells using 3 ug PIK3C2A Polyclonal Antibody. Western blot was performed from the immunoprecipitate

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze/thaw cycles.

## Background

The protein encoded by this gene belongs to the phosphoinositide 3-kinase (PI3K) family. PI3-kinases play roles in signaling pathways involved in cell proliferation, oncogenic transformation, cell survival, cell migration, and intracellular protein trafficking. This protein contains a lipid kinase catalytic domain as well as a C-terminal C2 domain, a characteristic of class II PI3-kinases. C2 domains act as calcium-dependent phospholipid binding motifs that mediate translocation of proteins to membranes, and may also mediate protein-protein interactions. The PI3-kinase activity of this protein is not sensitive to nanomolar levels of the inhibitor wortmanin. This protein was shown to be able to be activated by insulin and may be involved in integrin-dependent signaling.

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