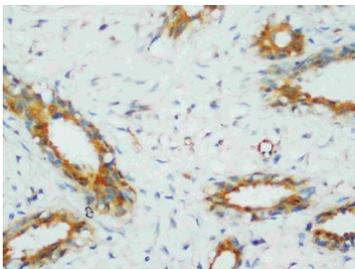


## PP2Ac Antibody (catalytic subunit) / PPP2CA (R30249)

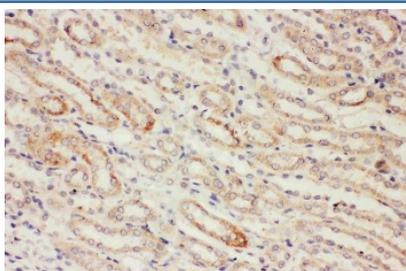
Catalog No.	Formulation	Size
R30249	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

### Bulk quote request

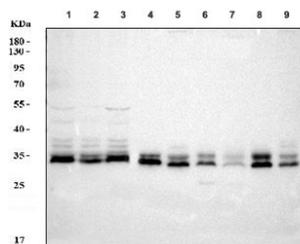
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
<b>UniProt</b>	P67775
<b>Applications</b>	Western Blot : 0.5-1ug/ml IHC (FFPE) : 1-2ug/ml
<b>Limitations</b>	This PP2Ac antibody is available for research use only.



IHC staining of FFPE human breast cancer with PP2Ac antibody. HIER: boil tissue sections in pH8 EDTA buffer for 20 min and allow to cool before testing.



IHC staining of FFPE rat kidney with PP2Ac antibody. HIER: boil tissue sections in pH8 EDTA buffer for 20 min and allow to cool before testing.



Western blot testing of 1) human HeLa, 2) human Caco-2, 3) human U-251, 4) rat brain, 5) rat PC-12, 6) mouse lung, 7) mouse liver, 8) mouse brain and 9) mouse NIH 3T3 cell lysate with PP2Ac antibody. Predicted molecular weight ~35 kDa.

## Description

The catalytic subunit of human protein phosphatase 2A (PPP2CA) encodes a 309-amino acid polypeptide. It is predicted to be important for phosphatase enzymatic activity. Methylation of the C-terminal leucine residue (Leu309) of PPP2CA is known to regulate catalytic activity in vitro. Furthermore, PP2A has a fundamental role in cardiac function, and suggests that disturbances in protein phosphatase expression and activity may cause or exacerbate the course of cardiac diseases.

## Application Notes

Variations in secondary/substrate sensitivities and test protocols may require the PP2Ac antibody to be titrated for optimal performance.

## Immunogen

An amino acid sequence from the N-terminus of human PPP2CA (FTKELDQWIEQLNEC) was used as the immunogen for this PP2Ac antibody (100% homologous in human, mouse and rat).

## Storage

The lyophilized PP2Ac antibody can be stored at 4°C to -20°C. After reconstitution, aliquot and store at -20°C. Avoid repeated freeze/thaws.