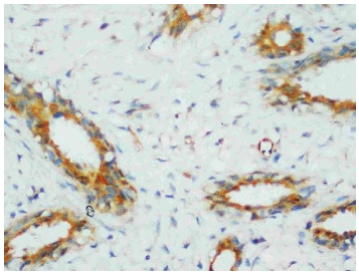
PP2Ac Antibody (catalytic subunit) / PPP2CA (R30249)

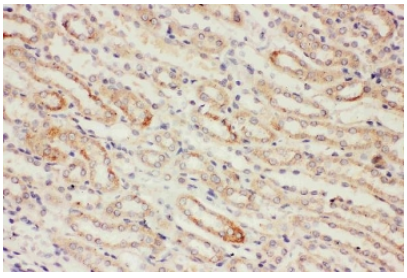
Catalog No.	Formulation	Size
R30249	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

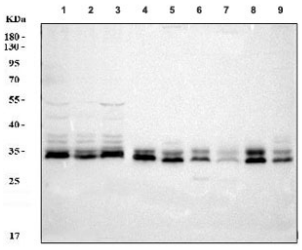
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P67775
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 1-2ug/ml
Limitations	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 4oC to -20oC. After reconstitution, aliquot and store at -20oC. Avoid repeated freeze/thaws.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com