

PP2A α/β (ANT0021R) Rabbit mAb

CatalogNo: ANT8263 **Recombinant** 

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA
Quantity : 100 ug/vial

Host Species

- Rabbit
- Human,Mouse,Rat,

Reactivity

- WB,IHC,IF,IP,ELISA

Applications

MW

- 36kD (Calculated)
- 36kD (Observed)
- IgG,Kappa

Isotype

Recommended Dilution Ratios

IHC 1:200-1:1000

WB 1:2000-1:10000

IF 1:200-1:1000

ELISA 1:5000-1:20000

IP 1:50-1:200

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Basic Information

Clonality Monoclonal

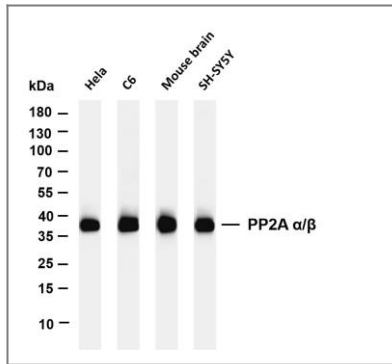
Clone Number ANT0021R

Target Information

Endogenous

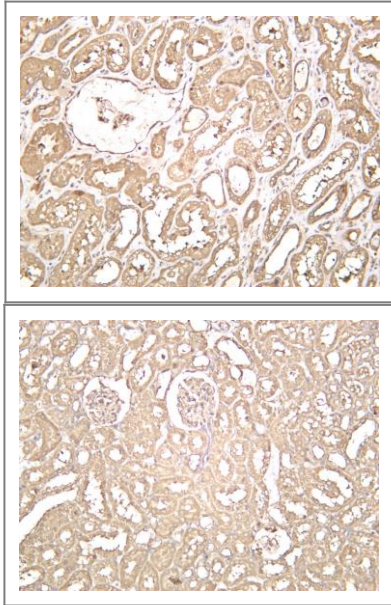
Gene name	PPP2CA;PPP2CB		
Protein Name	Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform;PP2A-beta;PP2Aalpha;Replication protein C;RP-C;		
Cellular Localization	Organism	Gene ID	UniProt ID
	Human	5515 ; 5516 ;	P67775 ; P62714 ;
	Mouse	19052 ; 19053 ;	P63330 ; P62715 ;
	Rat	24672 ; 24673 ;	P63331 ; P62716 ;
Tissue specificity	Fibroblast,Liver,Lung,Placenta,Testis,Uterus,baseline		
Function	PP2A can modulate the activity of phosphorylase B kinase casein kinase 2, mitogenstimulated S6 kinase, and MAP-2 kinase. Cooperates with SGOL2 to protect centromeric cohesin from separase-mediated cleavage in oocytes specifically during meiosis I (By similarity). Can dephosphorylate SV40 large T antigen and p53/TP53. Dephosphorylates SV40 large T antigen, preferentially on serine residues 120, 123, 677, and perhaps 679. The C subunit was most active, followed by the AC form, which was more active than the ABC form, and activity of all three forms was strongly stimulated by manganese, and to a lesser extent by magnesium. Dephosphorylation by the AC form, but not C or ABC form is inhibited by small T antigen. Activates RAF1 by dephosphorylating it at 'Ser-259'.		

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti- PP2A α/β (ANT0021R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: C6 Lane 3: Mouse brain Lane 4: SH-SY5Y
Predicted band size: 36kDa Observed band size: 36kDa

Human kidney was stained with anti-PP2A α/β (ANT0021R) rabbit antibody



Rat kidney was stained with anti-PP2A α/β (ANT0021R) rabbit antibody

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