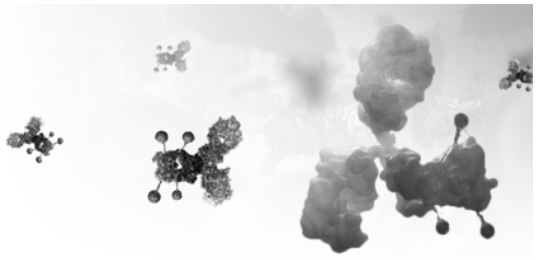

Anti-PPP2CA (N-terminal) polyclonal antibody (DPABH-23309)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	PP2A can modulate the activity of phosphorylase B kinase casein kinase 2, mitogen-stimulated 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.
Immunogen	Synthetic peptide corresponding to a sequence mapping near the N terminus of Human PP2A, identical to the related Rat and Mouse sequence.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Rat, Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, IHC-P, ICC
Format	Liquid
Size	100 µg
Buffer	Constituents: 5mg BSA, 0.9mg Sodium chloride, 0.2mg Dibasic monohydrogen sodium phosphate

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Preservative	0.02% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	PPP2CA protein phosphatase 3, catalytic subunit, alpha isozyme [Homo sapiens]
Official Symbol	PPP2CA
Synonyms	PPP2CA; protein phosphatase 2, catalytic subunit, alpha isozyme; RP-C; PP2Ac; PP2CA; PP2Calpha; serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform; PP2A-alpha; replication protein C; protein phosphatase 2A catalytic subunit, alpha isoform; protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform; serine/threonine protein phosphatase 2A, catalytic subunit, alpha isoform;
Entrez Gene ID	5515
Protein Refseq	NP_002706.1
UniProt ID	B3KUN1
Pathway	Activated TLR4 signalling; Adrenergic signaling in cardiomyocytes; BDNF signaling pathway; C-MYC pathway
Function	metal ion binding; protein C-terminus binding; protein binding; protein dimerization activity

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