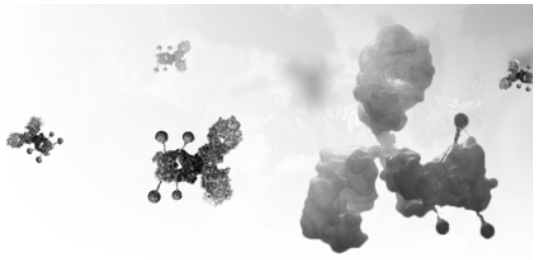

Anti-PPP2CA (aa 188-237) polyclonal antibody (DPABH-28917)

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 region within C terminal amino acids 188-237 (EVPHEGPMCD LLWSDPDDRG GWGISPRGAG YTFGQDISET FNHANGLTLV) of Rat PP2A alpha (XP_002727970).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Rat
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Size	50 µg
Buffer	Constituents: 97% PBS, 2% Sucrose

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	PPP2CA protein phosphatase 3, catalytic subunit, alpha isozyme [Rattus norvegicus]
Official Symbol	PPP2CA
Synonyms	PPP2CA; protein phosphatase 2, catalytic subunit, alpha isozyme; Pp2a1; serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform; PP2A-alpha; protein phosphatase-2A-alpha; protein phosphatase 2, catalytic subunit, alpha isoform; protein phosphatase 2a, catalytic subunit, alpha isoform; protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform;
Entrez Gene ID	24672
Protein Refseq	NP_058735.1
UniProt ID	P63331
Pathway	Activated TLR4 signalling; Adrenergic signaling in cardiomyocytes; Beta-catenin phosphorylation cascade; CTLA4 inhibitory signaling
Function	GABA receptor binding; metal ion binding; protein C-terminus binding; protein C-terminus binding

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221