

Datasheet for ABIN6938228 **anti-PPP3CA antibody**



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Overview

Quantity:	100 µg
Target:	PPP3CA
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PPP3CA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Coating (Coat)

Product Details

Immunogen:	Recombinant full-length Calcineurin A protein
Clone:	BF1-1
Isotype:	IgG1 kappa
Specificity:	Calcineurin is an enzyme that dephosphorylates serine and threonine residues in proteins. It is a heterodimer of a 59 kDa catalytic A subunit and a 19 kDa regulatory B subunit that is activated by the binding of calcium ions and calmodulin. Calcineurin is expressed in many tissues, but its levels are highest in the brain, where it may play a role in learning and memory. It has many substrates, including NFAT, a transcription factor that is activated by dephosphorylation. Complexes of the immuno-suppressants cyclosporine and FK506 with immunophilin proteins such as cyclophilin and FKBP12 are potent and specific inhibitors of Calcineurin activity. Alterations in Calcineurin activity are suspected to play a role in cardiac hypertrophy and graft versus host disease in organ transplantation.

Product Details

Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	PPP3CA
Alternative Name:	PPP3CA (PPP3CA Products)
Background:	Calcineurin A alpha, Calcineurin A1, Calcineurin A, Calmodulin-dependent calcineurin A subunit alpha isoform, CALN, CALNA1, CAM-PRP catalytic subunit, CCN1, CNA alpha, CNA1, Ppp3ca, Protein phosphatase 2B catalytic subunit (PPP2B), Protein phosphatase 3 (formerly 2B) catalytic subunit alpha isoform (PPP3CA),Calcineurin A / PPP3CA Cellular localisation: Cytoplasmic and Cell Surface
Molecular Weight:	62kDa
Gene ID:	5530, 435512
UniProt:	Q08209
Pathways:	RTK Signaling , WNT Signaling , Fc-epsilon Receptor Signaling Pathway , Negative Regulation of Hormone Secretion , Carbohydrate Homeostasis , Synaptic Membrane , Skeletal Muscle Fiber Development , Protein targeting to Nucleus , VEGF Signaling , BCR Signaling

Application Details

Application Notes:	Known_Application: ELISA (For coating, order antibody without BSA), Western Blot (1-2 µg/mL), Optimal dilution for a specific application should be determined. Positive_Control: HeLa, MCF-7 or A431 cells. Prostate, Thyroid or Pancreas.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Handling

Expiry Date: 24 months