

Datasheet for ABIN6938229 **anti-PPP3R1 antibody**



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Overview

Quantity:	100 µg
Target:	PPP3R1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PPP3R1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Coating (Coat), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant full-length human Calcineurin B protein
Clone:	BE2-1
Isotype:	IgG2a kappa
Specificity:	<p>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.</p> <p>Complexes of the immuno-suppressants cyclosporine and FK506 with immunophilin proteins such as cyclophilin and FKBP12 are potent and specific inhibitors of Calcineurin activity.</p> <p>Alterations in Calcineurin activity are suspected to play a role in cardiac hypertrophy and graft versus host disease in organ transplantation.</p>

Product Details

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

Target Details

Target:	PPP3R1
Alternative Name:	PPP3R1 (PPP3R1 Products)
Background:	Calcineurin B, type I (19 kDa), Calcineurin subunit B type 1, CALNB1, Cna2, CNB, CNB1, Ppp3r1, protein phosphatase 3 (formerly 2B), regulatory subunit B, 19 kDa, alpha isoform (calcineurin B, type I), Calcineurin B / PPP3R1 Cellular localisation: Cytoplasmic.
Molecular Weight:	19kDa
Gene ID:	5534, 280604
UniProt:	P63098
Pathways:	RTK Signaling , WNT Signaling , Fc-epsilon Receptor Signaling Pathway , 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), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined. Positive_Control: HeLa, MCF-7 or A431 cells. Human brain, breast or stomach tissue.
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

Handling

Storage Comment: Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Expiry Date: 24 months