

[Go to Product page](#)

Datasheet for ABIN6938230 **anti-PPP3R1 antibody**

Overview

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

Product Details

Immunogen:	Recombinant full-length Calcineurin B protein
Clone:	CALNB-2342
Isotype:	IgG1 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.

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, CNB1, PPP3R1 protein phosphatase 3 (formerly 2B), regulatory subunit B, alpha isoform, Protein phosphatase 3 regulatory subunit B alpha, Protein phosphatase 3 regulatory subunit B alpha isoform 1, Calcineurin B / PPP3R1
Cellular localisation: Cytoplasmic and Cell Surface

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: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min 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. 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

Handling

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

Expiry Date: 24 months