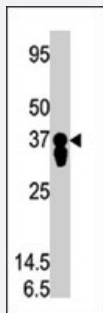


PPP2CA polyclonal antibody

Catalog # PAB4150

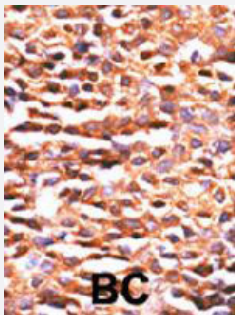
Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of PPP2CA polyclonal antibody (Cat # PAB4150) in CEM cell lysate (35 ug/lane). PPP2CA (arrow) was detected using the purified polyclonal antibody (1 : 60 dilution).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human breast cancer tissue reacted with PPP2CA polyclonal antibody (Cat # PAB4150) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PPP2CA.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human PPP2CA.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Ammonium sulfate precipitation

Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of PPP2CA polyclonal antibody (Cat # PAB4150) in CEM cell lysate (35 ug/lane). PPP2CA (arrow) was detected using the purified polyclonal antibody (1 : 60 dilution).

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — PPP2CA

Entrez GeneID	5515
Protein Accession#	NP_002706;P67775
Gene Name	PPP2CA
Gene Alias	PP2Ac, PP2CA, RP-C
Gene Description	protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform
Omim ID	176915
Gene Ontology	Hyperlink

Gene Summary

This gene encodes the phosphatase 2A catalytic subunit. Protein phosphatase 2A is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. This gene encodes an alpha isoform of the catalytic subunit. [provided by RefSeq]

Other Designations

PP2A-alpha|protein phosphatase 2, catalytic subunit, alpha isoform|replication protein C|serine/threonine protein phosphatase 2A, catalytic subunit, alpha isoform|serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform

Publication Reference

- [Overlapping binding sites in protein phosphatase 2A for association with regulatory A and alpha-4 \(mTap42\) subunits.](#)

Prickett TD, Brautigan DL.

The Journal of Biological Chemistry 2004 Sep; 279(37):38912.

Application: WB-Tr, Monkey, COS-7 cells

- [Overexpression of the catalytic subunit of protein phosphatase 2A impairs cardiac function.](#)

Gergs U, Boknik P, Buchwalow I, Fabritz L, Matus M, Justus I, Hanske G, Schmitz W, Neumann J.

The Journal of Biological Chemistry 2004 Sep; 279(39):40827.

Application: WB-Ti, Mouse, Mouse hearts

- [The phosphorylation state of an autoregulatory domain controls PACS-1-directed protein traffic.](#)

Scott GK, Gu F, Crump CM, Thomas L, Wan L, Xiang Y, Thomas G.

The EMBO Journal 2003 Dec; 22(23):623.

Pathway

- [Long-term depression](#)
- [TGF-beta signaling pathway](#)
- [Tight junction](#)
- [Wnt signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Narcolepsy](#)