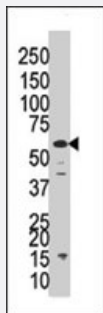


PPP3CC polyclonal antibody

Catalog # PAB4154

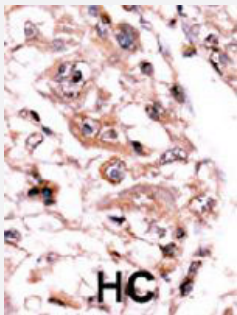
Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of PPP3CC polyclonal antibody (Cat # PAB4154) in A-375 cell lysate. PPP3CC (arrow) was detected using the purified polyclonal antibody.



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

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with PPP3CC polyclonal antibody (Cat # PAB4154), which was peroxidase-conjugated to the secondary antibody, followed by AEC 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 PPP3CC.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human PPP3CC.
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 PPP3CC polyclonal antibody (Cat # PAB4154) in A-375 cell lysate. PPP3CC (arrow) was detected using the purified polyclonal antibody.

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This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PPP3CC

Entrez GeneID	5533
Protein Accession#	NP_005596:Q9BSS6
Gene Name	PPP3CC
Gene Alias	CALNA3
Gene Description	protein phosphatase 3 (formerly 2B), catalytic subunit, gamma isoform
Omim ID	114107
Gene Ontology	Hyperlink

Gene Summary

Calmodulin-dependent protein phosphatase, calcineurin, is involved in a wide range of biologic activities, acting as a Ca(2+)-dependent modifier of phosphorylation status. In testis, the motility of the sperm is thought to be controlled by cAMP-dependent phosphorylation and a unique form of calcineurin appears to be associated with the flagellum. The calcineurin holoenzyme is composed of catalytic and regulatory subunits of 60 and 18 kD, respectively. At least 3 genes, calcineurin A-alpha (CALNA1; MIM 114105), calcineurin A-beta (CALNA2; MIM 114106), and calcineurin A-gamma (CALNA3), have been cloned for the catalytic subunit. These genes have been identified in humans, mice, and rats, and are highly conserved between species (90 to 95% amino acid identity). [supplied by OMIM]

Other Designations

calcineurin A gamma

Publication Reference

- [Decreased hippocampal expression of the susceptibility gene PPP3CC and other calcineurin subunits in schizophrenia.](#)
 Eastwood SL, Burnet PW, Harrison PJ.
 Biological Psychiatry 2005 Apr; 57(7):702.
- [Evidence for association of schizophrenia with genetic variation in the 8p21.3 gene, PPP3CC, encoding the calcineurin gamma subunit.](#)
 Gerber DJ, Hall D, Miyakawa T, Demars S, Gogos JA, Karayiorgou M, Tonegawa S.
 PNAS 2003 Jul; 100(15):8993.

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [Apoptosis](#)
- [Axon guidance](#)
- [B cell receptor signaling pathway](#)
- [Calcium signaling pathway](#)
- [Long-term potentiation](#)
- [MAPK signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)
- [T cell receptor signaling pathway](#)

- [VEGF signaling pathway](#)
- [Wnt signaling pathway](#)

Disease

- [Amphetamine-Related Disorders](#)
- [Genetic Predisposition to Disease](#)
- [Neuropsychological Tests](#)
- [Psychoses](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)