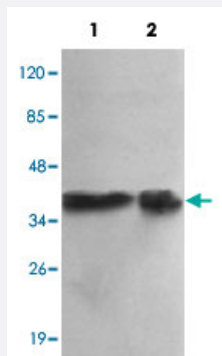


PPP1CA monoclonal antibody

Catalog # MAB11159 Size 50 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of PPP1CA monoclonal antibody (Cat # MAB11159) at 1:1000 dilution.

Lane 1: HepG2 whole cell lysate 40 ug/lane.

Lane 2: HeLa whole cell lysate 40 ug/lane.

Predicted band size: 37 KDa. Observed band size: 37 KDa.

Specification

Product Description Mouse monoclonal antibody raised against partial recombinant protein of PPP1CA.

Immunogen Recombinant protein corresponding to N-terminus of human PPP1CA.

Host Mouse

Reactivity Human

Form Liquid

Purification Protein G purification

Recommend Usage ELISA (1:5000-1:20000)
Western Blot (1:100-1:2000)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, pH 7.4 (50% glycerol, 0.02% sodium azide)

Storage Instruction 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

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — PPP1CA

Entrez GeneID	5499
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Protein Accession#	P62136;NM_001008709.1
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Gene Name	PPP1CA
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Gene Alias	MGC15877, MGC1674, PP-1A, PPP1A
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Gene Description	protein phosphatase 1, catalytic subunit, alpha isoform
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Omim ID	176875
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Gene Ontology	Hyperlink
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Gene Summary	The protein encoded by this gene is one of the three catalytic subunits of protein phosphatase 1 (PP1). PP1 is a serine/threonine specific protein phosphatase known to be involved in the regulation of a variety of cellular processes, such as cell division, glycogen metabolism, muscle contractility, protein synthesis, and HIV-1 viral transcription. Increased PP1 activity has been observed in the end stage of heart failure. Studies in both human and mice suggest that PP1 is an important regulator of cardiac function. Mouse studies also suggest that PP1 functions as a suppressor of learning and memory. Three alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
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Other Designations	protein phosphatase 1, catalytic subunit, alpha serine/threonine protein phosphatase PP1-alpha 1 catalytic subunit
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Pathway

- [Focal adhesion](#)
- [Insulin signaling pathway](#)
- [Long-term potentiation](#)
- [Regulation of actin cytoskeleton](#)
- [Vascular smooth muscle contraction](#)