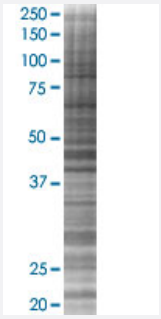
PPP1CB 293T Cell Transient Overexpression Lysate(Denatured)

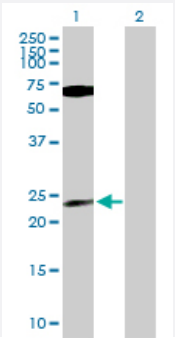
Catalog # H00005500-T02 Size 100 uL

Applications



SDS-PAGE Gel

PPP1CB transfected lysate.



Western Blot

Lane 1: PPP1CB transfected lysate (37.20 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-PPP1CB full-length
Host	Human
Theoretical MW (kDa)	37.2
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-PPP1CB antibody (H00005500-B01P) by Western Blots. SDS-PAGE Gel PPP1CB transfected lysate. Western Blot Lane 1: PPP1CB transfected lysate (37.20 KDa) Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — PPP1CB

Entrez GeneID	5500
GeneBank Accession#	NM_002709.2
Protein Accession#	NP_002700.1
Gene Name	PPP1CB
Gene Alias	MGC3672, PP-1B, PPP1CD
Gene Description	protein phosphatase 1, catalytic subunit, beta isoform
Omim ID	600590
Gene Ontology	Hyperlink
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. Mouse studies suggest that PP1 functions as a suppressor of learning and memory. Two alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq
Other Designations	protein phosphatase 1, catalytic subunit, beta|protein phosphatase 1, catalytic subunit, delta isoform|protein phosphatase 1-beta|protein phosphatase 1-delta|serine/threonine protein phosphatase PP1-beta catalytic subunit

Pathway

- Focal adhesion
- Insulin signaling pathway

- Long-term potentiation
- Regulation of actin cytoskeleton
- Vascular smooth muscle contraction

Disease

- Breast cancer
- Breast Neoplasms
- Genetic Predisposition to Disease