Recombinant Human PPP2CB 293 Cell Lysate

Cat. No. PPP2CB-2927HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform (PPP2CB), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	PPP2CB protein phosphatase 2, catalytic subunit, beta isozyme [Homo sapiens]
Official Symbol	PPP2CB
Synonyms	PPP2CB; protein phosphatase 2, catalytic subunit, beta isozyme; protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform; serine/threonine-protein phosphatase 2A catalytic subunit beta isoform; PP2Abeta; protein phosphatase 2A catalytic subunit; beta isoform; PP2A-beta; protein phosphatase type 2A catalytic subunit; protein phosphatase 2, catalytic subunit, beta isoform; protein phosphatase 2A catalytic subunit, beta isoform; serine/threonine protein phosphatase 2A, catalytic subunit, beta isoform; PP2CB;
Gene ID	5516
mRNA Refseq	NM_001009552
Protein Refseq	NP_001009552
MIM	176916
UniProt ID	P62714
Chromosome Location	8p12

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Pathway	Activated TLR4 signalling, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Beta-catenin phosphorylation cascade, organism-specific biosystem; CTLA4 inhibitory signaling, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem;
Function	hydrolase activity; metal ion binding; protein C-terminus binding; protein binding; contributes_to protein serine/threonine phosphatase activity;

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