

Human Serine/Threonine-Protein Phosphatase 2B Catalytic Subunit beta Isoform (PPP3CB) ELISA Kit | PPP3CB elisa kit

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CATALOG # AAA331370	REACTIVITY Human
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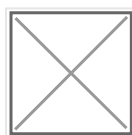
PRODUCT SYNONYMS

Serine/Threonine-Protein Phosphatase 2B Catalytic Subunit beta Isoform (PPP3CB); Human Serine/Threonine-Protein Phosphatase 2B Catalytic Subunit beta Isoform (PPP3CB) ELISA Kit; PPP3CB; RP11-345K20.1; CALNA2; CALNB; CNA2; CAM-PRP catalytic subunit; calcineurin A beta; calcineurin A2; calmodulin-dependent calcineurin A subunit beta; protein phosphatase 3; catalytic subunit; beta; protein; PPP3CB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Serine/threonine-protein phosphatase 2B catalytic subunit beta isoform (PPP3CB) ELISA Kit has high sensitivity and excellent specificity for detection of Human PPP3CB. No significant cross-reactivity or interference between Human PPP3CB and analogues was observed.
Sequence Length	524
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Serine/threonine-protein phosphatase 2B catalytic subunit beta isoform (PPP3CB) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PPP3CB elisa kit	Description: This Human Serine/threonine-protein phosphatase 2B catalytic subunit beta isoform (PPP3CB) ELISA Kit employs a two-site sandwich ELISA to quantitate PPP3CB in samples. An antibody specific for PPP3CB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PPP3CB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PPP3CB is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PPP3CB bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Calcineurin, a calmodulin-regulated protein phosphatase, is found in the cells of all eukaryotes ranging from yeast to mammals. Wang et al. (1996) described this heterodimeric protein as having a 19-kD Ca(2+)-binding regulatory subunit, calcineurin B, and a 58- to 59-kD catalytic subunit, calcineurin A. One gene encodes calcineurin B (PPP3R1) in all tissues except testis, and it is highly conserved at the level of both protein and DNA sequences in eukaryotes. In contrast, there are 2 major isoforms, alpha (PPP3CA) and beta (PPP3CB), of calcineurin A encoded by separate genes located on different human chromosomes. A third isoform, A-gamma (PPP3CC), is unique to testis. Additional diversity of calcineurin A is created by alternative splicing of mRNAs.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	60659599
NCBI GeneID	5532
UniProt Accession #	P16298
NCBI Official Full Name	Serine/threonine-protein phosphatase 2B catalytic subunit beta isoform
NCBI Official Synonym Full Names	protein phosphatase 3 catalytic subunit beta
NCBI Official Symbol	PPP3CB
NCBI Official Synonym Symbols	CNA2; CALNB; CALNA2; PP2Bbeta
NCBI Protein Information	serine/threonine-protein phosphatase 2B catalytic subunit beta isoform
UniProt Protein Name	Serine/threonine-protein phosphatase 2B catalytic subunit beta isoform
UniProt Gene Name	PPP3CB
UniProt Synonym Gene Names	CALNA2; CALNB; CNA2
UniProt Entry Name	PP2BB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/serine-threonine-protein-phosphatase-2b-catalytic-subunit-beta-isoform-ppp3cb/331370>