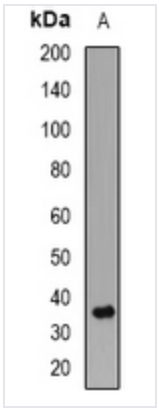
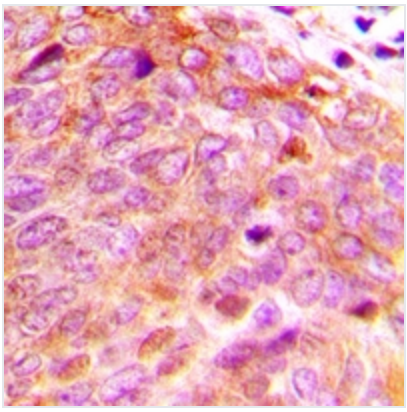
PPP2CB Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PPP2CB, Polyclonal Antibody
Full Product Name	Rabbit anti-PPP2CB Antibody
Product Gene Name	anti-PPP2CB antibody
Product Synonym Names	Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform; PP2A-beta
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Concentration	1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze/thaw cycles.
Molecular Weight	309
OMIM	176916
3D Structure	ModBase 3D Structure for P62714
Immunogen	KLH-conjugated synthetic peptide of human PPP2CB
Product Categories/Family for anti-PPP2CB antibody	Primary antibodies
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-PPP2CB antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-PPP2CB antibody	WB: 1:500-1:2000 IHC: 1:50-1:200
Related Product Information for anti-PPP2CB antibody	MBS4510434 is an antibody targeting PPP2CB. Also known as Rabbit anti-PPP2CB Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-PPP2CB antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-PPP2CB antibody
Western blot analysis of PPP2CB expression in Jurkat (A) whole cell lysates.



Immunohistochemistry (IHC) of anti-PPP2CB antibody
Immunohistochemical analysis of PPP2CB staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PPP2CB. It may not necessarily be applicable to this product.

NCBI GI #	50402236
NCBI GeneID	5516
NCBI Accession #	P62714.1
UniProt Primary Accession #	P62714
UniProt Secondary Accession #	P62715; P62716
UniProt Related Accession #	P62714
NCBI Official Full Name	Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform
NCBI Official Synonym Full Names	protein phosphatase 2, catalytic subunit, beta isozyme
NCBI Official Symbol	PPP2CB
NCBI Official Synonym Symbols	PP2CB; PP2Abeta
UniProt Protein Name	Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform
Protein Family	Serine/threonine-protein phosphatase
UniProt Gene Name	PPP2CB
UniProt Synonym Gene Names	PP2A-beta
UniProt Entry Name	PP2AB_HUMAN
NCBI Protein Information	serine/threonine-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; protein phosp
NCBI Summary for PPP2CB	This gene encodes the phosphatase 2A catalytic subunit. Protein phosphatase 2A is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. This gene encodes a beta isoform of the catalytic subunit. [provided by RefSeq, Mar 2010]

UniProt Comments for PPP2CB	PPP2CB: one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. Protein type: Protein phosphatase, Ser/Thr (non-receptor); Motility/polarity/chemotaxis; EC 3.1.3.16 Chromosomal Location of Human Ortholog: 8p12 Cellular Component: spindle pole; protein phosphatase type 2A complex; nucleus; cytosol; chromosome, pericentric region Molecular Function: protein C-terminus binding; protein binding; metal ion binding; protein serine/threonine phosphatase activity Biological Process: response to antibiotic; proteasomal ubiquitin-dependent protein catabolic process; apoptotic mitochondrial changes; fibroblast growth factor receptor signaling pathway; response to hydrogen peroxide; regulation of gene expression; negative regulation of Ras protein signal transduction; protein amino acid dephosphorylation
Research Articles on PPP2CB	**1.** The GAS41-PP2Cbeta complex dephosphorylates p53 at serine 366 and regulates its stability
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