

Rabbit PPP3CB Polyclonal Antibody | anti-PPP3CB antibody

PPP3CB Antibody

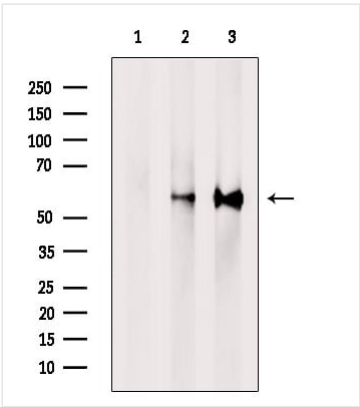
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328704	Rabbit	Human, MousePredicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken	Western Blot

PRODUCT SYNONYMS

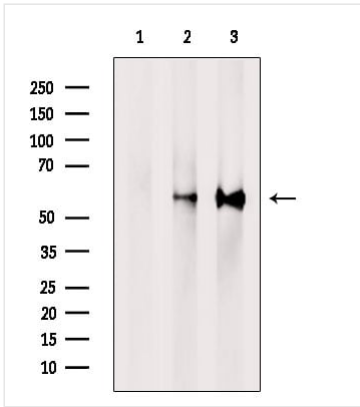
PPP3CB; Polyclonal Antibody; PPP3CB Antibody; Calcineurin A beta; Calcineurin A2; Calcineurin B; formerly; Calmodulin dependent calcineurin A subunit beta isoform; Calmodulin-dependent calcineurin A subunit beta isoform; CALNA 2; CALNA2; CALNB; CAM PRP catalytic subunit; CAM-PRP catalytic subunit; CNA2; CnAbeta; PP2BB_HUMAN; PP2Bbeta; Protein phosphatase 2B; catalytic subunit; beta isoform; Protein phosphatase 3 (formerly 2B) catalytic subunit beta isoform; Protein phosphatase 3 catalytic subunit beta isoform; Protein phosphatase 3 catalytic subunit beta isozyme; Serine/threonine protein phosphatase 2B catalytic subunit beta isoform; Serine/threonine-protein phosphatase 2B catalytic subunit beta isoform; anti-PPP3CB antibody

PRODUCT SPECIFICATIONS

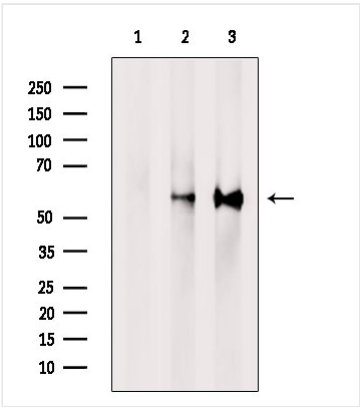
Host	Rabbit
Reactivity	Human, Mouse Predicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Clonality	Polyclonal
Isotype	IgG
Specificity	PPP3CB Antibody detects endogenous levels of PPP3CB.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	524
Applicable Applications for anti-PPP3CB antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human PPP3CB.
Fragment	Fab Fragment
Conjugate	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from various samples, using PPP3CB Antibody. Lane 1: MCF7, treated with blocking peptide; Lane 2: MCF7; Lane 3: Mouse brain.



WB (Western Blot)
Western blot analysis of extracts from HEK-293 cells, using PPP3CB Antibody. The lane on the left was treated with blocking peptide.



IF (Immunofluorescence)
staining Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. Samples were then incubated with primary Ab(1:200) and mouse anti-beta tubulin Ab(1:200) for 1 hour at 37 degree C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(1:200 Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(1:600 Green) were used as the secondary antibody

ADDITIONAL INFORMATION

Related Product Information for anti-PPP3CB antibody	Description: Calcium-dependent, calmodulin-stimulated protein phosphatase which plays an essential role in the transduction of intracellular Ca2+-mediated signals (PubMed:19154138, PubMed:26794871). Dephosphorylates and activates transcription factor NFATC1 (PubMed:19154138). Dephosphorylates and inactivates transcription factor ELK1 (PubMed:19154138). Dephosphorylates DARPP32 (PubMed:19154138). Subunit Structure: Forms a complex composed of a calmodulin-dependent catalytic subunit (also known as calcineurin A) and a regulatory Ca2+-binding subunit (also known as calcineurin B). There are three catalytic subunits, each encoded by a separate gene (PPP3CA, PPP3CB, and PPP3CC) and two regulatory subunits which are also encoded by separate genes (PPP3R1 and PPP3R2). In response to an increase in Ca2+ intracellular levels, forms a complex composed of PPP3CB/calcineurin A, calcineurin B and calmodulin. Interacts (via calcineurin B binding domain) with regulatory subunit PPP3R1/calcineurin B. Interacts (via calmodulin-binding domain) with calmodulin; the interaction depends on calmodulin binding to Ca2+. Similarity: The poly-Pro domain may confer substrate specificity. The autoinhibitory domain prevents access to the catalytic site. The autoinhibitory segment prevents access to the substrate binding site. Belongs to the PPP phosphatase family. PP-2B subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	60659599
NCBI GeneID	5532
UniProt Accession #	P16298
Molecular Weight	Observed: 59 kDa Predicted: 60 kDa
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://www.aaabiotech.com/polyclonal/ppp3cb-antibody-western-blot-elisa/328704>