

Rabbit PPP3CC Polyclonal Antibody | anti-PPP3CC antibody

Anti-PPP3CC Antibody Picoband

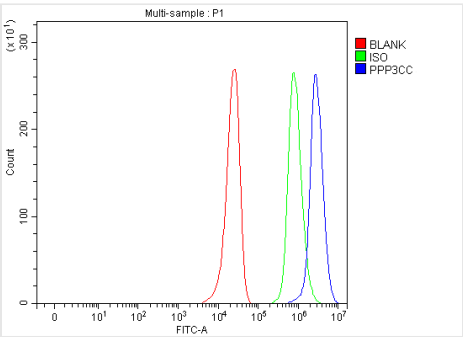
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127446	Rabbit	Human, Mouse, Rat	Western Blot, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

PPP3CC; Polyclonal Antibody; Anti-PPP3CC Antibody Picoband; anti-PPP3CC antibody

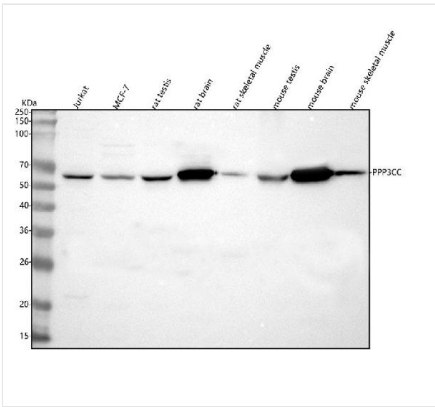
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-PPP3CC antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Immunogen	E coli-derived human PPP3CC recombinant protein (Position: Q24-S512).
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of HepG2 cells using anti-PPP3CC antibody (AAA127446).Overlay histogram showing HepG2 cells stained with AAA127446 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-PPP3CC Antibody (AAA127446, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of PPP3CC using anti-PPP3CC antibody (AAA127446).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human Jurkat whole cell lysates,Lane 2: human MCF-7 whole cell lysates,Lane 3: rat testis tissue lysates,Lane 4: rat brain tissue lysates,Lane 5: rat skeletal muscle tissue lysates,Lane 6: mouse testis tissue lysates,Lane 7: mouse brain tissue lysates,Lane 8: mouse skeletal muscle tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PPP3CC antigen affinity purified polyclonal antibody (#AAA127446) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for PPP3CC at approximately 65 kDa. The expected band size for PPP3CC is at 58 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PPP3CC antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-PPP3CC antibody	Primary Antibodies
References	1. Gerber, D. J., Hall, D., Miyakawa, T., Demars, S., Gogos, J. A., Karayiorgou, M., Tonegawa, S. Evidence for association of schizophrenia with genetic variation in the 8p21.3 gene, PPP3CC, encoding the calcineurin gamma subunit. Proc. Nat. Acad. Sci. 100: 8993-8998, 2003. 2. Miyakawa, T., Leiter, L. M., Gerber, D. J., Gainetdinov, R. R., Sotnikova, T. D., Zeng, H., Caron, M. G., Tonegawa, S. Conditional calcineurin knockout mice exhibit multiple abnormal behaviors related to schizophrenia. Proc. Nat. Acad. Sci. 100: 8987-8992, 2003. 3. Miyata, H., Satouh, Y., Mashiko, D., Muto, M., Nozawa, K., Shiba, K., Fujihara, Y., Isotani, A., Inaba, K., Ikawa, M. Sperm calcineurin inhibition prevents mouse fertility with implications for male contraceptive. Science 350: 442-445, 2015.

NCBI AND UNIPROT INFORMATION

NCBI GI #	257051041
NCBI GeneID	5533
UniProt Accession #	P48454; Q9BSS6; Q9H4M5; B4DRT5
Molecular Weight	512
NCBI Official Full Name	Serine/threonine-protein phosphatase 2B catalytic subunit gamma isoform
NCBI Official Synonym Full Names	protein phosphatase 3, catalytic subunit, gamma isozyme
NCBI Official Symbol	PPP3CC

NCBI Official Synonym Symbols	CNA3; CALNA3; PP2Bgamma
NCBI Protein Information	serine/threonine-protein phosphatase 2B catalytic subunit gamma isoform; CAM-PRP catalytic subunit; calcineurin, testis-specific catalytic subunit; calmodulin-dependent calcineurin A subunit gamma isoform; protein phosphatase 2B, catalytic subunit, gamma
UniProt Protein Name	Serine/threonine-protein phosphatase 2B catalytic subunit gamma isoform
UniProt Gene Name	PPP3CC
UniProt Synonym Gene Names	CALNA3; CNA3
UniProt Entry Name	PP2BC_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/ppp3cc-antibody-western-blot-flow-cytometry-elisa/127446>