

Mouse anti-Human PPP3CA Monoclonal Antibody | anti-PPP3CA antibody

PPP3CA

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48961	Mouse	Human	Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

PPP3CA; Monoclonal Antibody; Serine/threonine-protein phosphatase 2B catalytic subunit alpha; CALN; CALNA; CALNA1; CCN1; CNA1; PPP2B; anti-PPP3CA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	AT1E11
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	511
Applicable Applications for anti-PPP3CA antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human PPP3CA (1-511aa) purified from E. coli
Clone Note	Anti-human PPP3CA mAb, clone AT1E11, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human PPP3CA protein.
Preparation and Storage	Can be stored at +4C. For long term storage, aliquot and store at -20C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of PPP3CA in HeLa cells. The cell was stained with ATGA0505 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PPP3CA antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HeLa cell lysate Lane 1.: 293T cell lysate Lane 1.: LNCaP cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-PPP3CA antibody	PPP3CA, also known as Calcineurin A, is a major soluble calmodulin binding protein in the brain, a Ca2+/calmodulin dependent serine/threonine protein phosphatase, with a relatively narrow substrate specificity. It activates the T cells of the immune system and can be blocked by drugs. PPP3CA activates NFATc, a transcription factor by dephosphorylating it. The activated NFATc is then translocated into the nucleus, where it upregulates the expression of interleukin 2.
Product Categories/Family for anti-PPP3CA antibody	Immunology
References	Ostenfeld MS., et al. (2010) Oncogene. 29(7):1073-84. Rodriguez A., et al. (2009) Mol Cell. 33(5):616-26.

NCBI AND UNIPROT INFORMATION

NCBI GI #	194688147
NCBI GeneID	5530
NCBI Accession #	NP_001124163
NCBI GenBank Nucleotide #	NM_001130691.1
UniProt Accession #	Q08209; Q8TAW9; A1A441; A8K3B7; A8W6Z7; A8W6Z8; B5BUA2
Molecular Weight	51,245 Da
NCBI Official Full Name	serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform isoform 2
NCBI Official Synonym Full Names	protein phosphatase 3 catalytic subunit alpha
NCBI Official Symbol	PPP3CA
NCBI Official Synonym Symbols	CALN; CCN1; CNA1; CALNA; IECEE; PPP2B; CALNA1; IECEE1
NCBI Protein Information	serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform
UniProt Protein Name	Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform
UniProt Gene Name	PPP3CA
UniProt Synonym Gene Names	CALNA; CNA

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/monoclonal/ppp3ca-antibody-clone-at1e11-immunocytochemistry-western-blot-elisa/48961>