

Ppp3cb Antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI14136

Product Information

Application	WB
Primary Accession	P20651
Other Accession	NM_017042 , NP_058738
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59113

Additional Information

Gene ID	24675
Alias Symbol	Calna2
Other Names	Serine/threonine-protein phosphatase 2B catalytic subunit beta isoform, 3.1.3.16, CAM-PRP catalytic subunit, Calmodulin-dependent calcineurin A subunit beta isoform, Ppp3cb
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Ppp3cb antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Ppp3cb Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Ppp3cb
Function	Calcium-dependent, calmodulin-stimulated protein phosphatase which plays an essential role in the transduction of intracellular Ca(2+)-mediated signals. Dephosphorylates TFEB in response to lysosomal Ca(2+) release, resulting in TFEB nuclear translocation and stimulation of lysosomal biogenesis. Dephosphorylates and activates transcription factor NFATC1. Dephosphorylates and inactivates transcription factor ELK1. Dephosphorylates DARPP32 (By similarity). Negatively regulates MAP3K14/NIK signaling via inhibition of nuclear translocation of the transcription factors RELA and RELB (By similarity). May play a role in skeletal

muscle fiber type specification (By similarity).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:P16298}.

Tissue Location

Expressed in kidney (at protein level) (PubMed:25967121). Expressed in hippocampal presynaptic termini (at protein level) (PubMed:23699505).

References

Kuno T.,et al.Biochem. Biophys. Res. Commun. 165:1352-1358(1989).

Wadzinski B.E.,et al.J. Biol. Chem. 265:21504-21508(1990).

Images



Host: Rabbit

Target Name: Ppp3cb

Sample Tissue: Rat Small Intestine lysates

Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.