

Ppp3cb Antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI14136**Specification**

Ppp3cb Antibody - middle region - Product Information

Application	WB
Primary Accession	P20651
Other Accession	NM_017042 , NP_058738
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57kDa kDa

Ppp3cb Antibody - middle region - 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.

Ppp3cb Antibody - middle region - 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}.

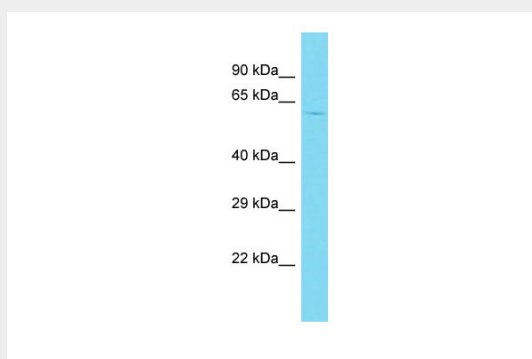
Tissue Location

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

Ppp3cb Antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Ppp3cb Antibody - middle region - Images

Host: Rabbit

Target Name: Ppp3cb

Sample Tissue: Rat Small Intestine lysates

Antibody Dilution: 1.0µg/ml

Ppp3cb Antibody - middle region - 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).