

PPP2R4 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14766**Specification**

PPP2R4 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	Q15257
Other Accession	NM_178001 , NP_821068
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Chicken, Horse, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39kDa KDa

PPP2R4 antibody - C-terminal region - Additional Information**Gene ID** 5524**Alias Symbol** **MGC2184, PP2A, PR53, PTPA****Other Names**

Serine/threonine-protein phosphatase 2A activator, 5.2.1.8, PP2A, subunit B', PR53 isoform, Phosphotyrosyl phosphatase activator, PTPA, Serine/threonine-protein phosphatase 2A regulatory subunit 4, Serine/threonine-protein phosphatase 2A regulatory subunit B', PPP2R4, PTPA

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-PPP2R4 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

PPP2R4 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

PPP2R4 antibody - C-terminal region - Protein Information**Name** PTPA ([HGNC:9308](#))**Synonyms** PPP2R4**Function**

PPlases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. Acts as a regulatory subunit for serine/threonine- protein phosphatase 2A (PP2A) modulating its activity or substrate specificity, probably by inducing a

conformational change in the catalytic subunit, a proposed direct target of the PPlase. Can reactivate inactive phosphatase PP2A-phosphatase methylesterase complexes (PP2A(i)) in presence of ATP and Mg(2+) (By similarity). Reversibly stimulates the variable phosphotyrosyl phosphatase activity of PP2A core heterodimer PP2A(D) in presence of ATP and Mg(2+) (in vitro). The phosphotyrosyl phosphatase activity is dependent of an ATPase activity of the PP2A(D):PPP2R4 complex. Is involved in apoptosis; the function appears to be independent from PP2A.

Cellular Location

Cytoplasm. Nucleus

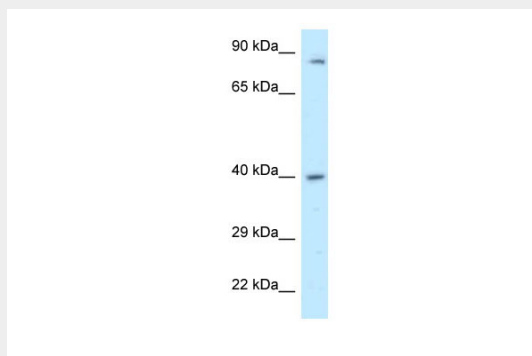
Tissue Location

Widely expressed.

PPP2R4 antibody - C-terminal 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](#)

PPP2R4 antibody - C-terminal region - Images

WB Suggested Anti-PPP2R4 Antibody Titration: 1.0 µg/ml

Positive Control: 721_B Whole Cell
PPP2R4 is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells

PPP2R4 antibody - C-terminal region - References

- Cayla X., et al. J. Biol. Chem. 269:15668-15675(1994).
Van Hoof C., et al. Genomics 28:261-272(1995).
Janssens V., et al. Eur. J. Biochem. 267:4406-4413(2000).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Kalnina N., et al. Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.