

**Anti-PPP2R4 Antibody (aa347-358)**  
Goat Anti Human Polyclonal Antibody  
Catalog # ALS17812**Specification****Anti-PPP2R4 Antibody (aa347-358) - Product Information**

Application	WB, IHC-P, E
Primary Accession	<a href="#">Q15257</a>
Predicted	Human, Mouse, Rat, Rabbit, Hamster, Monkey
Host	Goat
Clonality	Polyclonal
Calculated MW	40668

**Anti-PPP2R4 Antibody (aa347-358) - Additional Information****Gene ID** 5524**Alias Symbol** PPP2R4**Other Names**

PPP2R4, PP2A phosphatase activator, PP2A subunit B isoform PR53, PTPA, PP2A, PP2A, subunit B, PR53 isoform, PR53

**Target/Specificity**

Human PPP2R4. This antibody is expected to recognize all reported isoforms (NP\_821068.1; NP\_066954.2; NP\_821070.1). Reported variants NP\_066954.2 and NP\_821067.1 represent identical protein.

**Reconstitution & Storage**

Immunoaffinity purified

**Precautions**

Anti-PPP2R4 Antibody (aa347-358) is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-PPP2R4 Antibody (aa347-358) - 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 (By similarity). Acts as a regulatory subunit for serine/threonine-protein phosphatase 2A (PP2A) (PubMed:[16916641](http://www.uniprot.org/citations/16916641)), PubMed:[36073231](http://www.uniprot.org/citations/36073231)). Modulates PP2A activity or substrate specificity, probably by inducing a conformational change in the

catalytic subunit, a proposed direct target of the PPlase (PubMed:<a href="http://www.uniprot.org/citations/16916641" target="\_blank">16916641</a>). 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) (PubMed:<a href="http://www.uniprot.org/citations/16916641" target="\_blank">16916641</a>). The phosphotyrosyl phosphatase activity is dependent of an ATPase activity of the PP2A(D):PPP2R4 complex (PubMed:<a href="http://www.uniprot.org/citations/16916641" target="\_blank">16916641</a>). Is involved in apoptosis; the function appears to be independent from PP2A (PubMed:<a href="http://www.uniprot.org/citations/17333320" target="\_blank">17333320</a>).

**Cellular Location**

Cytoplasm. Nucleus

**Tissue Location**

Widely expressed.

**Anti-PPP2R4 Antibody (aa347-358) - 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](#)

**Anti-PPP2R4 Antibody (aa347-358) - Images**