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Anti-PPP2R4 Antibody (aa347-358)

Goat Anti Human Polyclonal Antibody
Catalog # ALS17812

Product Information

Application	WB, IHC-P, E
Primary Accession	Q15257
Predicted	Human, Mouse, Rat, Rabbit, Hamster, Monkey
Host	Goat
Clonality	Polyclonal
Calculated MW	40668
Concentration (mg/ml)	0.5 mg/ml

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.

Protein Information

Name	PTPA (HGNC:9308)
Synonyms	PPP2R4
Function	PPIases 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, PubMed:36073231). Modulates PP2A activity or substrate specificity, probably by inducing a conformational change in the catalytic subunit, a proposed direct target of the PPIase (PubMed:16916641). 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:16916641). The phosphotyrosyl phosphatase activity is dependent of an ATPase activity of the PP2A(D):PPP2R4 complex (PubMed:16916641). Is involved in apoptosis; the function appears to be independent from PP2A (PubMed:17333320).

Cellular Location Cytoplasm. Nucleus

Tissue Location Widely expressed.

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