

Product datasheet for **TA347792**

IPP 2 (PPP1R2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500-1:2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-PPP1R2 Antibody: A synthesized peptide derived from human PPP1R2
Formulation:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20?. Stable for 12 months from date of receipt
Concentration:	lot specific
Purification:	Immunogen affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	25 kDa
Gene Name:	protein phosphatase 1 regulatory inhibitor subunit 2
Database Link:	NP_006232 Entrez Gene 66849 Mouse Entrez Gene 192361 Rat Entrez Gene 5504 Human P41236



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Background:

PPP1R2 a member of the protein phosphatase inhibitor 1 family. A dopamine- and cyclic AMP-regulated neuronal phosphoprotein. Both dopaminergic and glutamatergic (NMDA) receptor stimulation regulate the extent of DARPP32 phosphorylation, but in opposite directions. Dopamine D1 receptor stimulation enhances cAMP formation, resulting in the phosphorylation of DARPP32; phosphorylated DARPP32 is a potent protein phosphatase-1 inhibitor. NMDA receptor stimulation elevates intracellular calcium, which leads to activation of calcineurin and dephosphorylation of phospho-DARPP32, thereby reducing the phosphatase-1 inhibitory activity of DARPP32.

Synonyms:

IPP-2; IPP2

Note:

PPP1R2 Antibody detects endogenous levels of PPP1R2

Protein Families:

Druggable Genome

Product images: