

Rabbit PPP1R2 Polyclonal Antibody | anti-PPP1R2 antibody

PPP1R2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321240	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

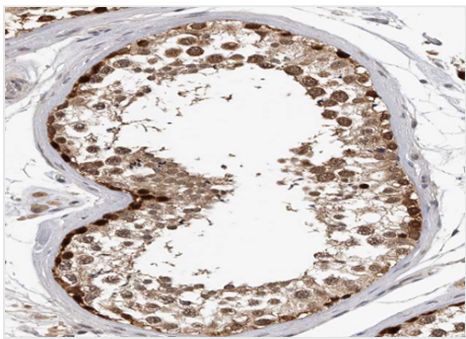
PRODUCT SYNONYMS

PPP1R2; Polyclonal Antibody; PPP1R2 Antibody; IPP 2; IPP-2; IPP2; IPP2_HUMAN; MGC87148; Phosphatase inhibitor 2; Phosphoprotein phosphatase; Ppp1r2; PPP1R2 protein; Protein phosphatase 1 regulatory (inhibitor) subunit 2; Protein phosphatase 1 regulatory subunit 2; Protein phosphatase inhibitor 2; anti-PPP1R2 antibody

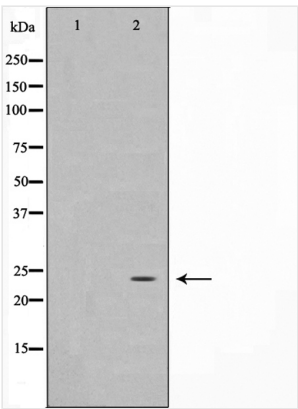
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PPP1R2 antibody detects endogenous levels of PPP1R2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	185
Applicable Applications for anti-PPP1R2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PPP1R2
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA321240 at 1/100 staining human testis tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis on Jurkat cell lysate using PPP1R2 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PPP1R2 antibody	Description: 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. Function: Inhibitor of protein-phosphatase 1. Subunit Structure: Heterodimer with PP1. Post-translational Modifications: Phosphorylation on Thr-73 by GSK3 activates PP1 by dissociating the PP1-PPP1R2 complex (By similarity). Phosphorylation on Ser-44 by ATM activates PP1 by dissociating the PP1-PPP1R2 complex. Similarity: Belongs to the protein phosphatase inhibitor 2 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	938148818
NCBI GeneID	5504
NCBI Accession #	NP_001303254.1
NCBI GenBank Nucleotide #	NM_001316325.1
UniProt Accession #	P41236
Molecular Weight	Observed: 25 kDa Predicted: 24 kDa
NCBI Official Full Name	protein phosphatase inhibitor 2 isoform 4
NCBI Official Synonym Full Names	protein phosphatase 1 regulatory inhibitor subunit 2
NCBI Official Symbol	PPP1R2
NCBI Official Synonym Symbols	IPP2; IPP-2; PPP1R2A
NCBI Protein Information	protein phosphatase inhibitor 2
UniProt Protein Name	Protein phosphatase inhibitor 2
UniProt Gene Name	PPP1R2
UniProt Synonym Gene Names	IPP2; IPP-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ppp1r2-antibody-immunohistochemistry-western-blot-elisa/321240>