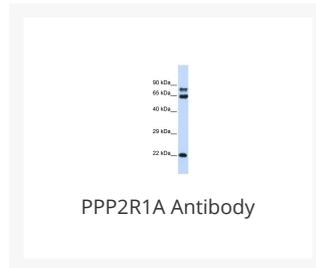




PPP2R1A Antibody

Cat. No.: 27-097



Ψ Specifications

HOST SPECIES:	Rabbit
SPECIES REACTIVITY:	Human, Mouse, Rat
IMMUNOGEN:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human PPP2R1A.
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	PPP2R1A antibody can be used for detection of PPP2R1A by ELISA at 1:1562500. PPP2R1A antibody can be used for detection of PPP2R1A by western blot at 1 µg/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.
POSITIVE CONTROL:	1) 293T Cell Lysate
PREDICTED MOLECULAR WEIGHT:	65 kDa

Ψ Properties

PURIFICATION:	Antibody is purified by peptide affinity chromatography method.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated
PHYSICAL STATE:	Liquid

BUFFER:	Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
CONCENTRATION:	batch dependent
STORAGE CONDITIONS:	For short periods of storage (days) store at 4 °C. For longer periods of storage, store PPP2R1A antibody at -20 °C. As with any antibody avoid repeat freeze-thaw cycles.

Ψ Additional Info

OFFICIAL SYMBOL:	PPP2R1A
ALTERNATE NAMES:	PPP2R1A, MGC786, PR65A, PP2AAALPHA, PP2A-Aalpha
ACCESSION NO.:	NP_055040
PROTEIN GI NO.:	21361399
GENE ID:	5518
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.

Ψ Background and References

BACKGROUND:	<p>PPP2R1A is a constant regulatory subunit of protein phosphatase 2. Protein phosphatase 2 is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. The constant regulatory subunit A serves as a scaffolding molecule to coordinate the assembly of the catalytic subunit and a variable regulatory B subunit. PPP2R1A is an alpha isoform of the constant regulatory subunit A. This gene encodes a constant regulatory subunit of protein phosphatase 2.</p> <p>Protein phosphatase 2 is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. The constant regulatory subunit A serves as a scaffolding molecule to coordinate the assembly of the catalytic subunit and a variable regulatory B subunit. This gene encodes an alpha isoform of the constant regulatory subunit A. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p>
REFERENCES:	1) Hong, S., (2007) J. Biol. Chem. 282 (16), 12119-12126.

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