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PPP1R3A Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10676C

Specification

PPP1R3A Antibody (Center) - Product Information

Application	**FC, WB,E**
Primary Accession	Q16821
Other Accession	Q00756, NP_002702.2
Reactivity	**Human**
Predicted	**Rabbit**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**125767**
Antigen Region	**754-782**

PPP1R3A Antibody (Center) - Additional Information

Gene ID 5506

Other Names
Protein phosphatase 1 regulatory subunit 3A, Protein phosphatase 1 glycogen-associated regulatory subunit, Protein phosphatase type-1 glycogen targeting subunit, RG1, PPP1R3A, PP1G

Target/Specificity
This PPP1R3A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 754-782 amino acids from the Central region of human PPP1R3A.

Dilution
FC~~1:10~50
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PPP1R3A Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PPP1R3A Antibody (Center) - Protein Information

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Name PPP1R3A

Synonyms PP1G

Function Seems to act as a glycogen-targeting subunit for PP1. PP1 is essential for cell division, and participates in the regulation of glycogen metabolism, muscle contractility and protein synthesis. Plays an important role in glycogen synthesis but is not essential for insulin activation of glycogen synthase (By similarity).

Cellular Location
Membrane; Single-pass membrane protein

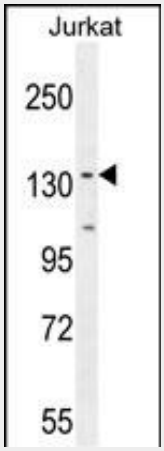
Tissue Location
Skeletal muscle and heart.

PPP1R3A Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PPP1R3A Antibody (Center) - Images



PPP1R3A Antibody (Center) (Cat. #AP10676c) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the PPP1R3A antibody detected the PPP1R3A protein (arrow).

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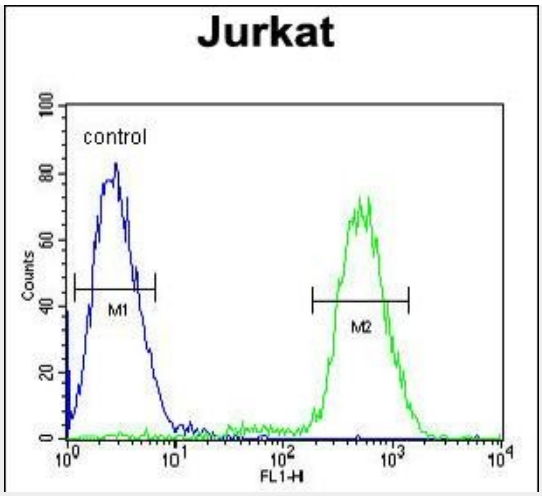

PPP1R3A Antibody (Center) (Cat. #AP10676c) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

PPP1R3A Antibody (Center) - Background

The glycogen-associated form of protein phosphatase-1 (PP1) derived from skeletal muscle is a heterodimer composed of a 37-kD catalytic subunit and a 124-kD targeting and regulatory subunit. This gene encodes the regulatory subunit which binds to muscle glycogen with high affinity, thereby enhancing dephosphorylation of glycogen-bound substrates for PP1 such as glycogen synthase and glycogen phosphorylase kinase. [provided by RefSeq].

PPP1R3A Antibody (Center) - References

Yoshida, T., et al. Int. J. Mol. Med. 24(2):233-246(2009)
Yoshida, T., et al. Genomics 93(3):221-226(2009)
Gieger, C., et al. PLoS Genet. 4 (11), E1000282 (2008) :
Savage, D.B., et al. PLoS Med. 5 (1), E27 (2008) :
Olsen, J.V., et al. Cell 127(3):635-648(2006)