10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PPP1R3B antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14750

Product Information

Application	WB
Primary Accession	Q86XI6
Other Accession	NM_024607, NP_078883
Reactivity	Human, Mouse, Rat, Rabbit, Goat, Dog, Guinea Pig, Horse, Bovine
Predicted	Rabbit, Goat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32695

Additional Information

Gene ID	79660
Alias Symbol	FLJ14005, FLJ34675, GL, PPP1R4, PTG
Other Names	Protein phosphatase 1 regulatory subunit 3B, Hepatic glycogen-targeting protein phosphatase 1 regulatory subunit GL, Protein phosphatase 1 regulatory subunit 4, PP1 subunit R4, Protein phosphatase 1 subunit GL, PTG, PPP1R3B, PPP1R4
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-PPP1R3B antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	PPP1R3B antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

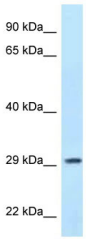
Name	PPP1R3B
Synonyms	PPP1R4
Function	Acts as a glycogen-targeting subunit for phosphatase PP1. Facilitates interaction of the PP1 with enzymes of the glycogen metabolism and regulates its activity. Suppresses the rate at which PP1 dephosphorylates (inactivates) glycogen phosphorylase and enhances the rate at which it activates glycogen synthase and therefore limits glycogen breakdown. Its activity is inhibited by PYGL, resulting in inhibition of the glycogen synthase

	and glycogen phosphorylase phosphatase activities of PP1. Dramatically increases basal and insulin-stimulated glycogen synthesis upon overexpression in hepatocytes (By similarity).
Tissue Location	Highly expressed in the liver and, at lower levels, in skeletal muscle, including in vastus lateralis, gastrocnemius and soleus (at protein level). Highest mRNA levels are observed in skeletal muscle, and only moderate levels in liver and heart. Weak expression in placenta and lung.

References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Munro S.,et al.Diabetes 51:591-598(2002).
Montori-Grau M.,et al.Biochem. J. 405:107-113(2007).

Images



WB Suggested Anti-PPP1R3B Antibody Titration: 1.0 µg/ml
Positive Control: MCF7 Whole Cell