

	PPP1R15B Polyclonal Antibody	E 9 1 2 1 3 5
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Swiss-Prot No.:	Q5SWA1
Storage/Stability:	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Immunogen:	Recombinant protein of human PPP1R15B (NP_116222.4).
Purification:	Affinity purification
Reactivity:	—
Other Names:	—
Background:	This gene encodes a protein phosphatase I-interacting protein that promotes the dephosphorylation of eukaryotic translation initiation factor 2A to regulate translation under conditions of cellular stress. The transcribed messenger RNA contains two upstream open reading frames (ORFs) that repress translation of the main protein coding ORF under normal conditions, while the protein coding ORF is expressed at high levels in response to stress. Continual translation of the mRNA under conditions of eukaryotic translation initiation factor 2A inactivation is thought to create a feedback loop for reactivation of the gene during recovery from stress. In addition, it has been shown that this protein plays a role in membrane traffic that is independent of translation and that it is required for exocytosis from erythroleukemia cells. Allelic variants of this gene are associated with microcephaly, short stature, and impaired glucose metabolism.

For Research Use Only

Gene ID:	84919
Source:	Rabbit
Antibody type:	Polyclonal Antibodies
Isotype:	IgG
Molecular Weight:	79kDa
Recommended Dilutions:	WB 1:500 - 1:2000