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PPP1R16A Protein (Myc-DYKDDDDK Tag)



Image



Overview

Overview	
Quantity:	20 μg
Target:	PPP1R16A
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPP1R16A protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)
Product Details	
Characteristics:	 Recombinant human PPP1R16A / MYPT3 protein expressed in HEK293 cells. Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Target Details	
Target:	PPP1R16A
Alternative Name:	Ppp1r16a,mypt3 (PPP1R16A Products)
Background:	Myosin light chain kinase and phosphatase (MLCP) complexes control the phosphorylation
	states of regulatory myosin light chains, which is crucial for muscle and intracellular
	movement. MLCPs typically contain a catalytic protein phosphatase 1 (PP1c) subunit, a myosin
	phosphatase targeting (MYPT) subunit, and another smaller subunit. The protein encoded by
	this gene represents an MYPT subunit, which is responsible for directing PP1c to its intended

Target Details

	the encoded protein is phosphorylated by protein kinase A and then inhibits the catalytic activity of PP1c.
Molecular Weight:	57.6 kDa
NCBI Accession:	NP_116291

targets. However, while other MYPTs result in PP1c activation after becoming phosphorylated,

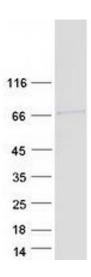
Application Details

Application Notes:	Recombinant human proteins can be used for:
	Native antigens for optimized antibody production
	Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	50 μg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Images



Western Blotting

Image 1. Validation with Western Blot