PPP1R16A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PPP1R16A, Polyclonal Antibody
Full Product Name	PPP1R16A Antibody
Product Gene Name	anti-PPP1R16A antibody
Product Synonym Names	Myosin phosphatase-targeting subunit 3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	PPP1R16A Antibody detects endogenous levels of PPP1R16A.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	57 kDa
OMIM	AK090471 mRNA
3D Structure	ModBase 3D Structure for Q96I34
Target Modification	Unmodified/Total
Immunogen	The antiserum was produced against synthesized peptide derived from human PPP1R16A.
Immunogen Range	362-411
Applications Tested/Suitable for anti-PPP1R16A antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-PPP1R16A antibody	WB: 1:500~1:1000 ELISA: 1:10000
Related Product Information for anti-PPP1R16A antibody	MBS9506749 is an antibody targeting PPP1R16A. Also known as PPP1R16A Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-PPP1R16A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PPP1R16A. It may not necessarily be applicable to this product.

NCBI GI #	1043392479
NCBI GeneID	84988
NCBI Accession #	NP_001316371.1

UniProt Primary Accession #	Q96I34
UniProt Secondary Accession #	D3DWM5
UniProt Related Accession #	Q96I34
GenBank Nucleotide #	NM_001329442.1
NCBI Official Full Name	protein phosphatase 1 regulatory subunit 16A
NCBI Official Synonym Full Names	protein phosphatase 1 regulatory subunit 16A
NCBI Official Symbol	PPP1R16A
NCBI Official Synonym Symbols	MYPT3
UniProt Protein Name	Protein phosphatase 1 regulatory subunit 16A
UniProt Synonym Protein Names	Myosin phosphatase-targeting subunit 3
Protein Family	Protein phosphatase 1 regulatory
UniProt Gene Name	PPP1R16A
UniProt Synonym Gene Names	MYPT3
NCBI Protein Information	protein phosphatase 1 regulatory subunit 16A
NCBI Summary for PPP1R16A	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 targets. However, while other MYPTs result in PP1c activation after becoming phosphorylated, the encoded protein is phosphorylated by protein kinase A and then inhibits the catalytic activity of PP1c. [provided by RefSeq, Jul 2016]
UniProt Comments for PPP1R16A	Inhibits protein phosphatase 1 activity toward phosphorylase, myosin light chain and myosin substrates.
Research Articles on PPP1R16A	**1.** PPP1R16A gene expression is decreased in follicular variant of papillary thyroid carcinoma.
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