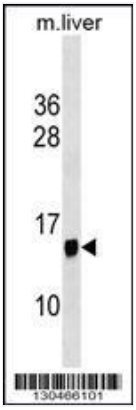
PPP1R1C Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PPP1R1C, Polyclonal Antibody
Full Product Name	PPP1R1C, NT (PPP1R1C, Protein phosphatase 1 regulatory subunit 1C, Inhibitor-5 of protein phosphatase 1) (APC)
Product Gene Name	anti-PPP1R1C antibody
Product Synonym Names	PPP1R1C; Protein phosphatase 1 regulatory subunit 1C; Inhibitor-5 of protein phosphatase 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	12,346 Da
OMIM	613240
3D Structure	ModBase 3D Structure for Q8WVI7
Immunogen	PPP1R1C antibody is generated from rabbits immunized with a KLH conjugated synthetic between 49-76 amino acids selected from the N-terminal region of human PPP1R1C.
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-PPP1R1C antibody	Antibodies; Enzymes; Phosphatase
Applications Tested/Suitable for anti-PPP1R1C antibody	Western Blot (WB), FLISA
Application Notes for anti-PPP1R1C antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-PPP1R1C antibody	Protein phosphatase-1 (PP1) is a major serine/threonine phosphatase that regulates a variety of cellular functions. PP1 consists of a catalytic subunit (see PPP1CA; MIM 176875) and regulatory subunits that determine the subcellular localization of PP1 or regulate its function. PPP1R1C belongs to a group of PP1 inhibitory subunits that are themselves regulated by phosphorylation (Wang et al., 2008 [PubMed 18310074]).[supplied by OMIM].
Product References and Citations for anti-PPP1R1C antibody	Dick, D.M., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. (2010). In press: Rose, J. Phd, et al. Mol. Med. (2010). In press: Zeng, Q., et al. Biotechnol. Appl. Biochem. 54(4):231-238(2009). Wang, X., et al. J. Biol. Chem. 283(18):12076-12084(2008). Ceulemans, H., et al. Bioessays 24(4):371-381(2002).

Other Notes	Small volumes of anti-PPP1R1C 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.
Searchable Terms for PPP1R1C purchase	MBS6336512 is an antibody targeting PPP1R1C. Also known as PPP1R1C, NT (PPP1R1C, Protein phosphatase 1 regulatory subunit 1C, Inhibitor-5 of protein phosphatase 1) (APC). Reactive in Mouse. Host: Rabbit.



Western Blot (WB) of anti-PPP1R1C antibody
PPP1R1C Antibody (N-term) western blot analysis in mouse liver tissue lysates (35ug/lane).This demonstrates the PPP1R1C antibody detected the PPP1R1C protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PPP1R1C. It may not necessarily be applicable to this product.

NCBI GI #	122937386
NCBI GeneID	151242
NCBI Accession #	NP_001074014.1
UniProt Primary Accession #	Q8WVI7
UniProt Secondary Accession #	Q5HYJ5; Q8TD54
UniProt Related Accession #	Q8WVI7
GenBank Nucleotide #	NM_001080545.2
NCBI Official Full Name	protein phosphatase 1 regulatory subunit 1C isoform 2
NCBI Official Synonym Full Names	protein phosphatase 1, regulatory (inhibitor) subunit 1C
NCBI Official Symbol	PPP1R1C
NCBI Official Synonym Symbols	IPP5
UniProt Protein Name	Protein phosphatase 1 regulatory subunit 1C
UniProt Synonym Protein Names	Inhibitor-5 of protein phosphatase 1
Protein Family	Protein phosphatase 1 regulatory
UniProt Gene Name	PPP1R1C
UniProt Synonym Gene Names	IPP5
UniProt Entry Name	PPR1C_HUMAN
NCBI Protein Information	protein phosphatase 1 regulatory subunit 1C; PP1 inhibitor protein 5; inhibitor-5 of protein phosphatase 1; protein phosphatase 1 regulatory subunit 1A

UniProt Comments for PPP1R1C	PPP1R1C: Inhibitor of protein-phosphatase 1. Promotes cell growth and cell cycle progress at the G1/S transition. May increase cell susceptibility to TNF-induced apoptosis. Belongs to the protein phosphatase inhibitor 1 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis; Protein phosphatase, regulatory subunit Chromosomal Location of Human Ortholog: 2q31.3 Cellular Component: cytoplasm Molecular Function: protein phosphatase inhibitor activity; type 1 serine/threonine specific protein phosphatase inhibitor activity Biological Process: cell division; negative regulation of protein kinase activity; cell cycle; positive regulation of cell growth
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