9F, No. 108, Jhouzih St.,Taipei, Taiwan
Tel: + 886-2-8751-1888 Fax: + 886-2-6602-1218
E-mail: sales@abnova.com

Datasheet

PPP1R12B MaxPab mouse polyclonal antibody (B01)

Catalog Number: H00004660-B01

Regulation Status: For research use only (RUO)

Product Description: Mouse polyclonal antibody raised against a full-length human PPP1R12B protein.

Immunogen: PPP1R12B (AAH34430, 1 a.a. ~ 386 a.a) full-length human protein.

Sequence:
MAELEHLGGKRAESARMRRAEQLRRWRGSLTEQEPA
ERRGAGRQPLTRRGSPRVRFEDGAVFLAACSSGDTD
EVRKLLARGADINTVNVDGLTALHQACIDENLDMVKFL
VENRANVNQQDNEGWTPLHAAASCGYLNIAEYFINHG
ASVGIVNSEGEVPSDLAEEPAMKDLLLEQVKKQGVDL
EQSRKEEEQQMLQDARQWLNSGKIEDVRQARSGATA
LHVAAAKGYSEVLRLLIQAGYELNVQDYDGWTPLHAA
AHWGVKEACSILAEALCDMDIRNKLGQTPFDVADEGL
VEHLELLQKKQNVLRSEKETRNKLIESDLNSKIQSGFF
KNKEKMLYEEETPKSQEMEEENKESSSSSSEEEEGE
DEASESETEKEAVLFWPF

Host: Mouse

Reactivity: Human

Applications: WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Storage Buffer: No additive

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 4660

Gene Symbol: PPP1R12B

Gene Alias: MGC131980, MGC87886, MYPT2

Gene Summary: Myosin light chain phosphatase (MLCP) consists of three subunits- catalytic subunit, large subunit/myosin binding subunit (MBS) and small subunit (sm-M20). This gene is a multi-functional gene which encodes both MBS and sm-M20. MLCP regulates myosins and the dephosphorylation is enhanced by the presence of MBS. The sm-M20 is suggested to play a regulatory role in muscle contraction by binding to MBS. MBS is also encoded by another gene, myosin light chain phosphatase target subunit 1. sm-M20 shows higher binding affinity to this gene product than to myosin light chain phosphatase target subunit 2-MBS even though the two MBS proteins are highly similar. Although both MBSs increase the activity of MLCP, myosin light chain phosphatase target subunit 1-MBS is a more efficient activator. There are four alternatively spliced transcript variants described; two alter the MBS coding region and two alter the sm-M20 coding region of this gene. [provided by RefSeq]