



PPP1R15B Monoclonal Antibody

Catalog No	YP-mAb-15050
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	PPP1R15B
Protein Name	Protein phosphatase 1 regulatory subunit 15B
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human PPP1R15B. AA range:411-460
Specificity	PPP1R15B Monoclonal Antibody detects endogenous levels of PPP1R15B protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PPP1R15B; Protein phosphatase 1 regulatory subunit 15B
Observed Band	78kD
Cell Pathway	protein phosphatase type 1 complex,
Tissue Specificity	Eye,Liver,Stomach,
Function	function:Maintains low levels of EIF2S1 phosphorylation in unstressed cells by promoting its dephosphorylation by PP1.,miscellaneous:The phosphatase activity of the PPP1R15B-PP1 complex toward EIF2S1 is specifically inhibited by Salubrinal, a drug that protects cells from endoplasmic reticulum stress.,similarity:Belongs to the PPP1R15 family.,subunit:Part of a complex containing PPP1R15B, PP1 and NCK1/2 (By similarity). Interacts with PP1.,
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 mi

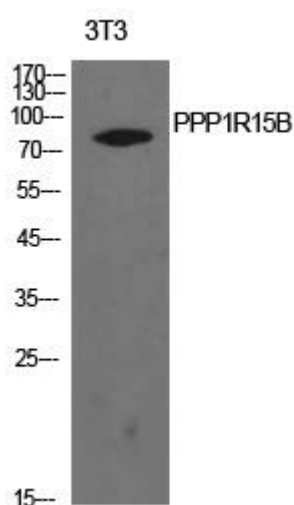
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using PPP1R15B Monoclonal Antibody