

Immunotag™ PPP1R15B Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT5571
Product Description	Immunotag™ PPP1R15B Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PPP1R15B
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. IHC-p: 1:100-1:300. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human PPP1R15B. AA range:411-460
Specificity	PPP1R15B Polyclonal Antibody detects endogenous levels of PPP1R15B protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	PPP1R15B
Accession No.	Q5SWA1 Q8BFW3
Alternate Names	PPP1R15B; Protein phosphatase 1 regulatory subunit 15B

Antibody Specification

Description	protein phosphatase 1 regulatory subunit 15B(PPP1R15B) Homo sapiens 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
Protein Expression	Eye,Liver,Stomach,
Subcellular Localization	protein phosphatase type 1 complex,
Protein 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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.