



PR48 Polyclonal Antibody

Catalog No	YP-Ab-14958
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC
Gene Name	PPP2R3B
Protein Name	Serine/threonine-protein phosphatase 2A regulatory subunit B" subunit beta
Immunogen	The antiserum was produced against synthesized peptide derived from human PPP2R3B. AA range:364-413
Specificity	PR48 Polyclonal Antibody detects endogenous levels of PR48 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PPP2R3B; PPP2R3L; Serine/threonine-protein phosphatase 2A regulatory subunit B" subunit beta; PP2A subunit B isoform PR48; Protein phosphatase 2A 48 kDa regulatory subunit
Observed Band	70kD
Cell Pathway	Nucleus .
Tissue Specificity	Brain,Placenta,Testis,
Function	function:The B regulatory subunit might modulate substrate selectivity and catalytic activity, and also might direct the localization of the catalytic enzyme to a particular subcellular compartment.,miscellaneous:The gene encoding for this protein is located in the pseudoautosomal region 1 (PAR1) of X and Y chromosomes.,similarity:Contains 1 EF-hand domain.,subunit:PP2A consists of a common heterodimeric core enzyme, composed of a 36 kDa catalytic subunit (subunit C) and a 65 kDa constant regulatory subunit (PR65 or subunit A), that associates with a variety of regulatory subunits. Proteins that associate with the core dimer include three families of regulatory subunits B (the R2/B/PR55/B55, R3/B"/PR72/PR130/PR59 and R5/B'/B56 families), the 48 kDa variable regulatory subunit, viral proteins, and cell signaling molecules. Interacts with N-terminal region of CDC6.,

**Background**

Protein phosphatase 2 (formerly named type 2A) is one of the four major Ser/Thr phosphatases and is implicated in the negative control of cell growth and division. Protein phosphatase 2 holoenzymes are heterotrimeric proteins composed of a structural subunit A, a catalytic subunit C, and a regulatory subunit B. The regulatory subunit is encoded by a diverse set of genes that have been grouped into the B/PR55, B'PR61, and B''PR72 families. These different regulatory subunits confer distinct enzymatic specificities and intracellular localizations to the holoenzyme. The product of this gene belongs to the B' family. The B'' family has been further divided into subfamilies. The product of this gene belongs to the beta subfamily of regulatory subunit B'.

[provided by RefSeq, Apr 2010],

matters needing attention

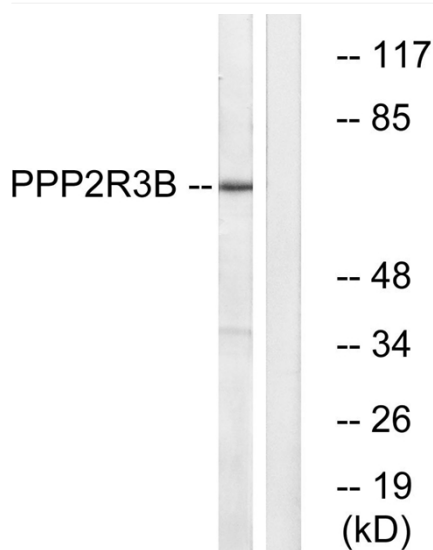
Avoid repeated freezing and thawing!

Usage suggestions

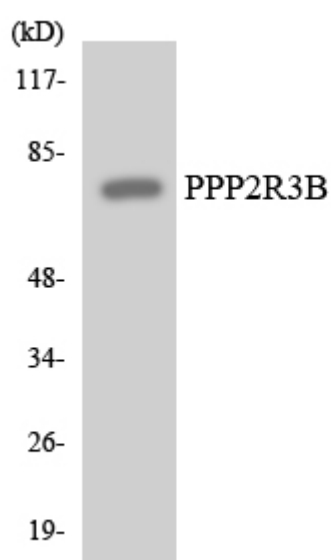
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



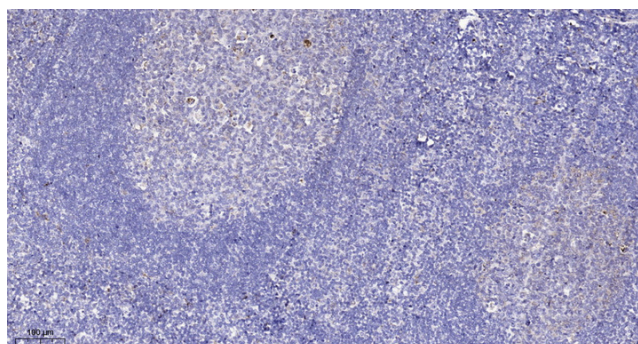
Products Images



Western blot analysis of lysates from K562 cells, using PPP2R3B Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using PPP2R3B antibody.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).