



# PPP1R3A Polyclonal Antibody

<b>Catalog No</b>	BYab-04099
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB;IHC
<b>Gene Name</b>	PPP1R3A
<b>Protein Name</b>	Protein phosphatase 1 regulatory subunit 3A
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human PPP1R3A. AA range:647-696
<b>Specificity</b>	PPP1R3A Polyclonal Antibody detects endogenous levels of PPP1R3A protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000;IHC-p 1:50-300
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	PPP1R3A; PP1G; Protein phosphatase 1 regulatory subunit 3A; Protein phosphatase 1 glycogen-associated regulatory subunit; Protein phosphatase type-1 glycogen targeting subunit; RG1
<b>Observed Band</b>	140kD
<b>Cell Pathway</b>	Membrane ; Single-pass membrane protein .
<b>Tissue Specificity</b>	Skeletal muscle and heart.
<b>Function</b>	disease:Defects in PPP1R3A are a cause of insulin resistance (Ins resistance).,disease:Defects in PPP1R3A are a cause of susceptibility to noninsulin-dependent diabetes mellitus (NIDDM) [MIM:125853]; also known as diabetes mellitus type II. NIDDM is characterized by an autosomal dominant mode of inheritance, onset during adulthood and insulin resistance.,domain:The CBM21 domain is known to be involved in the localization to glycogen and is characteristic of some regulatory subunit of phosphatase complexes.,function:Seems to act as a glycogen-targeting subunit for PP1. PP1 is essential for cell division, and participates in the regulation of glycogen

**Nanjing BYabscience technology Co.,Ltd**



metabolism, muscle contractility and protein synthesis. Plays an important role in glycogen synthesis but is not essential for insulin activation of glycogen synthase.,PTM:Phosphorylation at Ser-46 by ISPK stimulates the dephosphorylation of

**Background**

The glycogen-associated form of protein phosphatase-1 (PP1) derived from skeletal muscle is a heterodimer composed of a 37-kD catalytic subunit and a 124-kD targeting and regulatory subunit. This gene encodes the regulatory subunit which binds to muscle glycogen with high affinity, thereby enhancing dephosphorylation of glycogen-bound substrates for PP1 such as glycogen synthase and glycogen phosphorylase kinase. [provided by RefSeq, Jul 2008],

**matters needing attention**

Avoid repeated freezing and thawing!

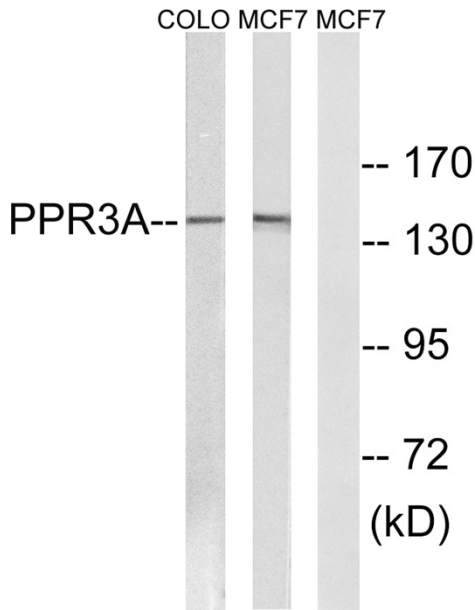
**Usage suggestions**

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

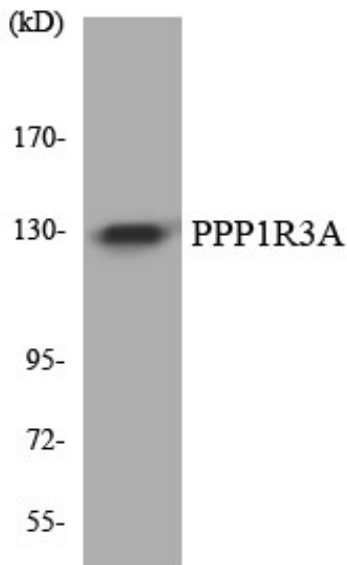
Nanjing BYabscience technology Co.,Ltd



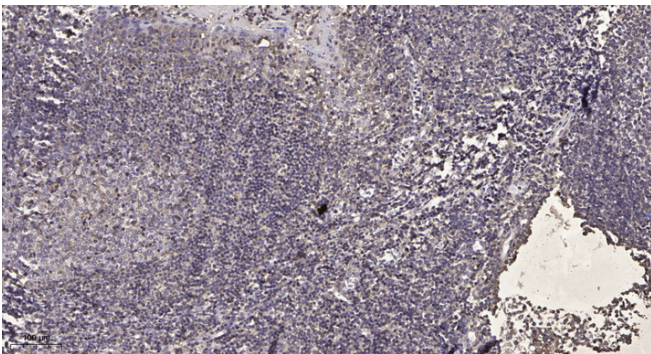
## Products Images



Western blot analysis of lysates from MCF-7 and COLO cells, using PPP1R3A Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using PPP1R3A 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).

Nanjing BYabscience technology Co.,Ltd



**Nanjing BYabscience technology Co.,Ltd**

网址: [www.njbybio.com](http://www.njbybio.com)

官方热线: 025-5229-8998

监督电话: 15950492658