

产品名称: PPP1R3A Rabbit Polyclonal Antibody
产品货号: AP Rab16428



产品概述 (Summary)

产品名称 (Production Name)	PPP1R3A Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	PPP1R3A PPP1R3A; PP1G; Protein phosphatase 1 regulatory subunit 3A; Protein phosphatase 1 glycogen-associated regulatory subunit; Protein phosphatase type-1 glycogen targeting subunit; RG1
别名 (Alternative Names)	
基因 ID (Gene ID)	5506.0
蛋白 ID (SwissProt ID)	Q16821.The antiserum was produced against synthesized peptide derived from human PPP1R3A. AA range:647-696

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:50-1:300
蛋白分子量 (Molecular Weight)	140kDa

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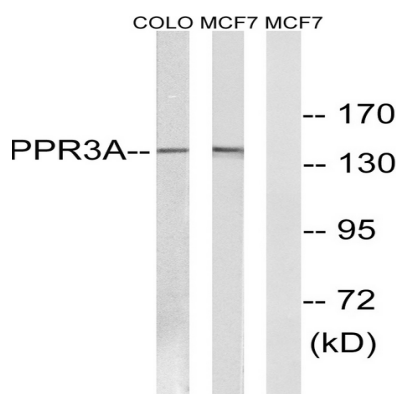
研究背景 (Background)

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],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 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 glycogen synthase and phosphorylase kinase.,similarity:Contains 1 CBM21 (carbohydrate binding type-21) domain.,subunit:Interacts with PPP1CC catalytic subunit of PP1, and associates with glycogen.,tissue specificity:Skeletal muscle and heart.,

研究领域 (Research Area)

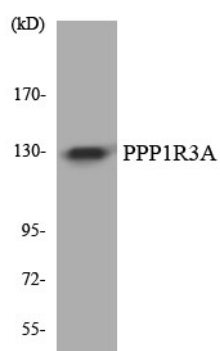
Insulin_Receptor;

图片 (Image Data)



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.

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

注意事项 (Note)

For research use only .