

产品名称: PTP IA-2 β Rabbit Polyclonal Antibody
产品货号: APRab16664



产品概述 (Summary)

产品名称 (Production Name)	PTP IA-2 β Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

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)	PTPRN2
别名 (Alternative Names)	PTPRN2; KIAA0387; Receptor-type tyrosine-protein phosphatase N2; R-PTP-N2; Islet cell autoantigen-related protein; IAR; ICAAR; Phogrin
基因 ID (Gene ID)	5799.0
蛋白 ID (SwissProt ID)	Q92932.The antiserum was produced against synthesized peptide derived from human PTPRN2. AA range:206-255

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:50-1:300,ELISA 1:2000-1:20000
蛋白分子量 (Molecular Weight)	111kDa

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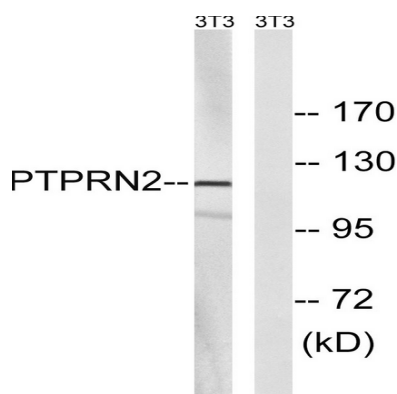
研究背景 (Background)

This gene encodes a protein with sequence similarity to receptor-like protein tyrosine phosphatases. However, tyrosine phosphatase activity has not been experimentally validated for this protein. Studies of the rat ortholog suggest that the encoded protein may instead function as a phosphatidylinositol phosphatase with the ability to dephosphorylate phosphatidylinositol 3-phosphate and phosphatidylinositol 4,5-diphosphate, and this function may be involved in the regulation of insulin secretion. This protein has been identified as an autoantigen in insulin-dependent diabetes mellitus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2015], catalytic activity: Protein tyrosine phosphate + H₂O = protein tyrosine + phosphate, disease: Autoantigen in insulin-dependent diabetes mellitus (IDDM), domain: The cytoplasmic domain appears to contain the autoantigenic epitopes, function: Implicated in development of nervous system and pancreatic endocrine cells, PTM: Appears to undergo multiple proteolytic cleavage at consecutive basic residues, similarity: Belongs to the protein-tyrosine phosphatase family. Receptor class 8 subfamily, similarity: Contains 1 tyrosine-protein phosphatase domain, tissue specificity: Highest levels in brain and pancreas. Lower levels in trachea, prostate, stomach and spinal chord,

研究领域 (Research Area)

Type I diabetes mellitus;

图片 (Image Data)



Western blot analysis of lysates from NIH/3T3 cells, using PTPRN2 Antibody. The lane on the right is blocked with the synthesized peptide.

注意事项 (Note)

For research use only .