

产品名称: PTN13 Rabbit Polyclonal Antibody
产品货号: APRab16656



产品概述 (Summary)

产品名称 (Production Name)	PTN13 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	IHC, ICC/IF
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, 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)	PTPN13
别名 (Alternative Names)	PNP1 PTP1E PTPL1
基因 ID (Gene ID)	5783.0
蛋白 ID (SwissProt ID)	Q12923.Synthesized peptide derived from part region of human protein

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:50-1:300, ICC/IF 1:50-1:200
蛋白分子量 (Molecular Weight)	273kDa

研究背景 (Background)

The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic

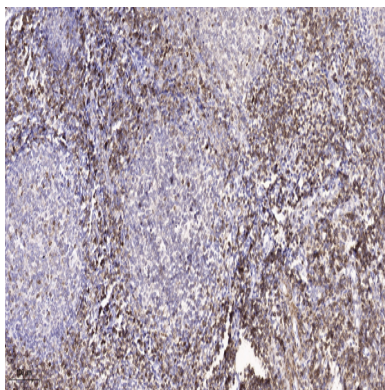
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transformation. This PTP is a large intracellular protein. It has a catalytic PTP domain at its C-terminus and two major structural domains: a region with five PDZ domains and a FERM domain that binds to plasma membrane and cytoskeletal elements. This PTP was found to interact with, and dephosphorylate, Fas receptor and IkappaBalpha through the PDZ domains. This suggests it has a role in Fas mediated programmed cell death. This PTP was also shown to interact with GTPase-activating protein, and thus may function as a regulator of Rho signaling pathways. Four alternatively spliced transcript variants, which encode distinct proteins, have catalytic activity: Protein tyrosine phosphate + H(2)O = protein tyrosine + phosphate., function: Regulates negatively FAS-induced apoptosis and NGFR-mediated pro-apoptotic signaling., sequence caution: Contaminating sequence. Potential poly-A sequence., similarity: Belongs to the protein-tyrosine phosphatase family. Non-receptor class subfamily., similarity: Contains 1 FERM domain., similarity: Contains 1 KIND domain., similarity: Contains 1 tyrosine-protein phosphatase domain., similarity: Contains 3 PDZ (DHR) domains., similarity: Contains 4 PDZ (DHR) domains., similarity: Contains 5 PDZ (DHR) domains., subunit: Interacts with TRIP6 and TNFRSF6 (Fas receptor) through its second PDZ domain. Interacts with the C-terminal SVP motif of NGFR through its third PDZ domain. Interacts with the LIM domain of PDLIM4 through its second and fourth PDZ domains. Binds PLEKHA1 and PLEKHA2 through its first PDZ domain. Interacts with BRD7 and ARHGAP29., tissue specificity: Present in most tissues with the exception of the liver and skeletal muscle. Most abundant in lung, kidney and fetal brain.,

研究领域 (Research Area)

图片 (Image Data)



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Tris-EDTA, pH 9.0 was used for antigen retrieval. 2, Antibody was diluted at 1:200 (4° overnight). 3, Secondary antibody was diluted at 1:200 (room temperature, 45 min).

注意事项 (Note)

For research use only.