

产品名称: PNPase Rabbit Polyclonal Antibody
产品货号: APRab16329



产品概述 (Summary)

产品名称 (Production Name)	PNPase Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,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)	PNPT1 PNPT1; PNPASE; Polyribonucleotide nucleotidyltransferase 1; mitochondrial;
别名 (Alternative Names)	3'-5' RNA exonuclease OLD35; PNPase old-35; Polynucleotide phosphorylase 1; PNPase 1; Polynucleotide phosphorylase-like protein
基因 ID (Gene ID)	87178.0
蛋白 ID (SwissProt ID)	Q8TCS8.The antiserum was produced against synthesized peptide derived from human PNPT1. AA range:570-619

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	85kDa

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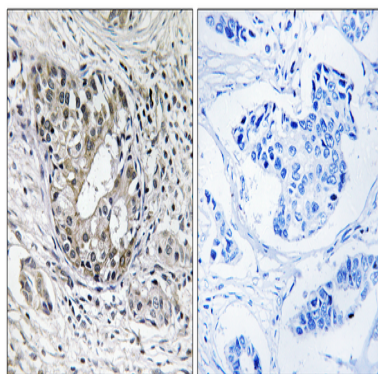
研究背景 (Background)

The protein encoded by this gene belongs to the evolutionary conserved polynucleotide phosphorylase family comprised of phosphate dependent 3'-to-5' exoribonucleases implicated in RNA processing and degradation. This enzyme is predominantly localized in the mitochondrial intermembrane space and is involved in import of RNA to mitochondria. Mutations in this gene have been associated with combined oxidative phosphorylation deficiency-13 and autosomal recessive nonsyndromic deafness-70. Related pseudogenes are found on chromosomes 3 and 7. [provided by RefSeq, Dec 2012], catalytic activity: $\text{RNA}(n+1) + \text{phosphate} = \text{RNA}(n) + \text{a nucleoside diphosphate}$, function: Involved in mRNA degradation. Hydrolyzes single-stranded polyribonucleotides processively in the 3'- to 5'-direction, induction: Up-regulated in cells upon senescence and terminal differentiation. Up-regulated after treatment with interferon beta (IFN-beta), PTM: Phosphorylated upon DNA damage, probably by ATM or ATR, similarity: Belongs to the polyribonucleotide nucleotidyltransferase family, similarity: Contains 1 KH domain, similarity: Contains 1 S1 motif domain, subunit: Homotrimer (Potential). Interacts with TCL1A; the interaction has no effect on PNPT1 exonuclease activity.

研究领域 (Research Area)

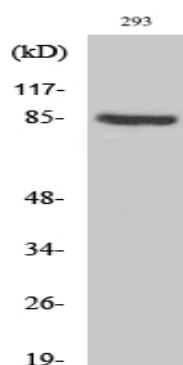
Purine metabolism; Pyrimidine metabolism; RNA degradation;

图片 (Image Data)



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using PNPT1 Antibody. The picture on the right is blocked with the synthesized peptide.

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Western Blot analysis of various cells using PNPase Polyclonal Antibody diluted at 1: 1000

注意事项 (Note)

For research use only .