

产品名称: RNase Z2 Rabbit Polyclonal Antibody
产品货号: APRab17278



产品概述 (Summary)

产品名称 (Production Name)	RNase Z2 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	IHC, ICC, IF, ELISA
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)	ELAC2 ELAC2; HPC2; Zinc phosphodiesterase ELAC protein 2; ElaC homolog protein 2;
别名 (Alternative Names)	Heredity prostate cancer protein 2; Ribonuclease Z 2; RNase Z 2; tRNA 3 endonuclease 2; tRNase Z 2
基因 ID (Gene ID)	60528.0
蛋白 ID (SwissProt ID)	Q9BQ52. The antiserum was produced against synthesized peptide derived from human ELAC2. AA range:161-210

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:100-1:300, ICC/IF 1:50-1:200, ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	

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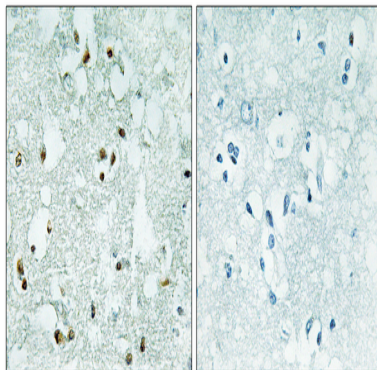
研究背景 (Background)

The protein encoded by this gene has a C-terminal domain with tRNA 3' processing endoribonuclease activity, which catalyzes the removal of the 3' trailer from precursor tRNAs. The protein also interacts with activated Smad family member 2 (Smad2) and its nuclear partner forkhead box H1 (also known as FAST-1), and reduced expression can suppress transforming growth factor-beta induced growth arrest. Mutations in this gene result in an increased risk of prostate cancer. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009], catalytic activity: Endonucleolytic cleavage of RNA, removing extra 3' nucleotides from tRNA precursor, generating 3' termini of tRNAs. A 3'-hydroxy group is left at the tRNA terminus and a 5'-phosphoryl group is left at the trailer molecule., cofactor: Zinc., disease: Defects in ELAC2 are involved in prostate cancer (CaP) [MIM:176807], function: Zinc phosphodiesterase, which displays some tRNA 3'-processing endonuclease activity. Probably involved in tRNA maturation, by removing a 3'-trailer from precursor tRNA., similarity: Belongs to the RNase Z family., subunit: Homodimer., tissue specificity: Widely expressed. Highly expressed in heart, placenta, liver, skeletal muscle, kidney, pancreas, testis and ovary. Weakly expressed in brain, lung, spleen, thymus, prostate, small intestine, colon and leukocytes.,

研究领域 (Research Area)

Epigenetics and Nuclear Signaling; DNA / RNA; RNA Processing; Cancer; Cell cycle; Cell cycle inhibitors

图片 (Image Data)



Immunohistochemistry analysis of paraffin-embedded human brain, using ELAC2 Antibody. The picture on the right is blocked with the synthesized peptide.

注意事项 (Note)

For research use only .