RNase Z2 rabbit pAb

Cat#: orb769929 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	RNase Z2 rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human ELAC2. AA range:161-210
Specificity	RNase Z2 Polyclonal Antibody detects endogenous levels of RNase Z2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Zinc phosphodiesterase ELAC protein 2
Gene Name	ELAC2
Cellular localization	Mitochondrion . Mitochondrion matrix, mitochondrion nucleoid . Nucleus . Mainly mitochondrial.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

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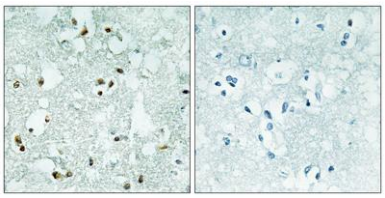
Concentration	1 mg/ml
Observed band	
Human Gene ID	60528
Human Swiss-Prot Number	Q9BQ52
Alternative Names	ELAC2; HPC2; Zinc phosphodiesterase ELAC protein 2; ElaC homolog protein 2; Heredity prostate cancer protein 2; Ribonuclease Z 2; RNase Z 2; tRNA 3 endonuclease 2; tRNase Z 2
Background	The protein 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],



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

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