



Rabbit Anti-PTCD1 antibody

SL4423R

Product Name:	PTCD1
Chinese Name:	PTCD1蛋白抗体
Alias:	Pentatricopeptide repeat containing protein 1; Pentatricopeptide repeat domain 1; Pentatricopeptide repeat-containing protein 1; PTCD1; PTCD1 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	79kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PTCD1:601-700/700
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a mitochondrial protein that binds leucine tRNAs and other mitochondrial RNAs and plays a role in the regulation of translation. Increased expression of this gene results in decreased mitochondrial leucine tRNA levels. Naturally occurring read-through transcription exists between upstream ATP5J2 (ATP synthase, H ⁺ transporting, mitochondrial Fo complex, subunit F2) and this gene. [provided by RefSeq, Aug 2015]

Function:

Mitochondrial protein implicated in negative regulation of leucine tRNA levels, as well as negative regulation of mitochondria-encoded proteins and COX activity. Affects also the 3'-processing of mitochondrial tRNAs

Subunit:

Associates with mitochondrial leucine tRNAs. Interacts with ELAC2.

Tissue Specificity:

Abundant in testes, skeletal muscle and heart.

Similarity:

Belongs to the PTC1 family.

Contains 9 PPR (pentatricopeptide) repeats.

SWISS:

O75127

Gene ID:

26024

Database links:

[Entrez Gene: 26024](#) Human

[Omim: 614774](#) Human

[SwissProt: O75127](#) Human

[Unigene: 632313](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.