



Rabbit Anti-ICT1 antibody

SL15537R

Product Name:	ICT1
Chinese Name:	肽酰tRNA水解酶ICT1抗体
Alias:	Digestion subtraction 1; DS-1; DS1; Ict1; ICT1_HUMAN; Immature colon carcinoma transcript 1 protein; Immature colon carcinoma transcript 1 protein; mitochondrial; Peptidyl-tRNA hydrolase ICT1, mitochondrial; Peptidyl-tRNA hydrolase ICT1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Rabbit,
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:	20kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ICT1:111-206/206
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
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:	ICT1 is a member of the prokaryotic/mitochondrial release factor family whose expression is downregulated over 4 fold upon colon stem cell differentiation. This downregulation of ICT1 could lead to its use as a marker for detection of colon carcinomas.

Function:

Essential peptidyl-tRNA hydrolase component of the mitochondrial large ribosomal subunit. Acts as a codon-independent translation release factor that has lost all stop codon specificity and directs the termination of translation in mitochondrion, possibly in case of abortive elongation. May be involved in the hydrolysis of peptidyl-tRNAs that have been prematurely terminated and thus in the recycling of stalled mitochondrial ribosomes.

Subunit:

Component of the mitochondrial 39S ribosomal subunit.

Subcellular Location:

Mitochondrion.

Tissue Specificity:

Down-regulated during the in vitro differentiation of HT29-D4 colon carcinoma cells.

Similarity:

Belongs to the prokaryotic/mitochondrial release factor family. ICT1 subfamily.

SWISS:

Q14197

Gene ID:

3396

Database links:

[Entrez Gene: 3396](#) Human

[Omim: 603000](#) Human

[SwissProt: Q14197](#) Human

[Unigene: 407955](#) Human

Important Note:

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