



Rabbit Anti-LIPT1 antibody

SL18298R

Product Name:	LIPT1
Chinese Name:	硫辛酰连接酶抗体
Alias:	Lipoate biosynthesis protein; Lipoate-protein ligase; Lipoyl ligase; Lipoyltransferase 1; Lipoyltransferase 1 mitochondrial; LIPT_HUMAN; Lipt1; mitochondrial.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=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:	41kDa
Cellular localization:	cytoplasmic Mitochondrion
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human LIPT1:101-200/373
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:	The process of transferring lipoic acid to proteins is a two-step process. The first step is the activation of lipoic acid by lipoate-activating enzyme to form lipoyl-AMP. For the second step, the protein encoded by this gene transfers the lipoyl moiety to apoproteins. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 13. Read-through transcription also exists between this gene and the neighboring downstream mitochondrial ribosomal protein L30 (MRPL30)

gene. [provided by RefSeq, Mar 2011]

Function:

Catalyzes the transfer of the lipoyl group from lipoyl-AMP to the specific lysine residue of lipoyl domains of lipoate-dependent enzymes.

Subcellular Location:

Mitochondrion.

Tissue Specificity:

Highly expressed in skeletal muscle and heart, moderately in kidney and pancreas, and detected at lower levels in liver, brain, placenta and lung.

Similarity:

Belongs to the lplA family.

SWISS:

Q9Y234

Gene ID:

51601

Database links:

[Entrez Gene: 51601](#) Human

[Omim: 610284](#) Human

[SwissProt: Q9Y234](#) Human

[Unigene: 719172](#) Human

Important Note:

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