

LIPT1 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12942**Specification**

LIPT1 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O9Y234
Other Accession	NM_015929 , NP_057013
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Chicken, Horse, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42kDa kDa

LIPT1 antibody - N-terminal region - Additional Information**Gene ID** 51601**Alias Symbol** MGC12290, MGC13378**Other Names**

Lipoyltransferase 1, mitochondrial, 2.3.1.-, Lipoate biosynthesis protein, Lipoate-protein ligase, Lipoyl ligase, LIPT1

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-LIPT1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

LIPT1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

LIPT1 antibody - N-terminal region - Protein Information**Name** LIPT1 ([HGNC:29569](#))**Function**

Lipoyl amidotransferase that catalyzes the transfer of lipoyl moieties from lipoyl-protein H of the glycine cleavage system (lipoyl- GCSH) to E2 subunits of the pyruvate dehydrogenase complex (PDCE2) (PubMed:29987032). Unable to catalyze the transfer of octanoyl from octanoyl-GCSH to PDCE2 (PubMed:29987032). In vitro, it is also able to catalyze the transfer of the lipoyl

group from lipoyl-AMP to the specific lysine residue of lipoyl domains of lipoate-dependent enzymes but this reaction may not be physiologically relevant (Probable).

Cellular Location

Mitochondrion {ECO:0000250|UniProtKB:O46419}.

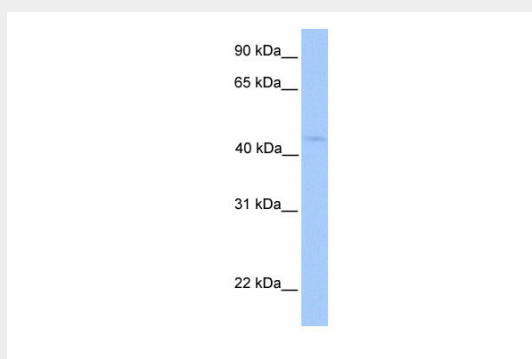
Tissue Location

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

LIPT1 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

LIPT1 antibody - N-terminal region - Images

WB Suggested Anti-LIPT1 Antibody Titration: 0.2-1 µg/ml
Positive Control: Hela cell lysate

LIPT1 antibody - N-terminal region - References

Fujiwara, K., (1999) Eur. J. Biochem. 260(3), 761-767 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.