

LIAS antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI12934

Product Information

Application	WB
Primary Accession	O43766
Other Accession	NM_006859 , NP_006850
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Chicken, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41911

Additional Information

Gene ID	11019
Alias Symbol	HUSSY-01, LAS, LIP1, MGC23245, LS, PDHLD
Other Names	Lipoyl synthase, mitochondrial {ECO:0000255 HAMAP-Rule:MF_03123}, 2.8.1.8 {ECO:0000255 HAMAP-Rule:MF_03123}, Lipoate synthase {ECO:0000255 HAMAP-Rule:MF_03123}, LS {ECO:0000255 HAMAP-Rule:MF_03123}, Lip-syn {ECO:0000255 HAMAP-Rule:MF_03123}, Lipoic acid synthase {ECO:0000255 HAMAP-Rule:MF_03123}, LIAS {ECO:0000255 HAMAP-Rule:MF_03123}, LAS
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-LIAS 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	LIAS antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LIAS {ECO:0000255 HAMAP-Rule:MF_03123}
Synonyms	LAS
Function	Catalyzes the radical-mediated insertion of two sulfur atoms into the C-6 and C-8 positions of the octanoyl moiety bound to the lipoyl domains of lipoate-dependent enzymes, thereby converting the octanoylated domains

into lipoylated derivatives.

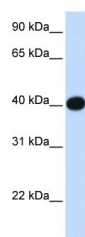
Cellular Location

Mitochondrion {ECO:0000255 | HAMAP-Rule:MF_03123}.

References

Morikawa, T., (2001) FEBS Lett. 498(1), 16-21 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.

Images



WB Suggested Anti-LIAS Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:12500
Positive Control: Human Muscle

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.