10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

LIAS antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12934

Specification

LIAS antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	O43766
Other Accession	NM_006859, NP_006850
Reactivity	**Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Zebrafish, Chicken, Horse, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**39kDa KDa**

LIAS antibody - N-terminal region - 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.

LIAS antibody - N-terminal region - 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.

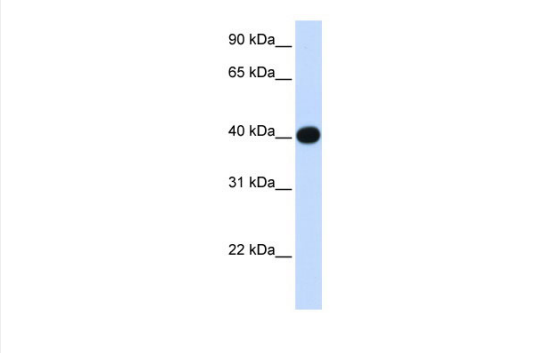
Cellular Location
Mitochondrion {ECO:0000255|HAMAP-Rule:MF_03123}.

LIAS 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 Cytomety
- Cell Culture

LIAS antibody - N-terminal region - Images



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

LIAS antibody - N-terminal region - References

Morikawa,T.,(2001)FEBSLett.498(1),16-21ReconstitutionandStorage:Forshorttermuse,storeat2-8Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.