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LIAS Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22190b

Product Information

Application	WB, E
Primary Accession	O43766
Other Accession	Q5BIP7, Q6GQ48
Reactivity	Human, Rat, Mouse
Predicted	Bovine
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB56343
Calculated MW	41911

Additional Information

Gene ID	11019
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
Target/Specificity	This LIAS antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 298-330 amino acids from human LIAS.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	LIAS Antibody (C-Term) 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}.

Background

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.

References

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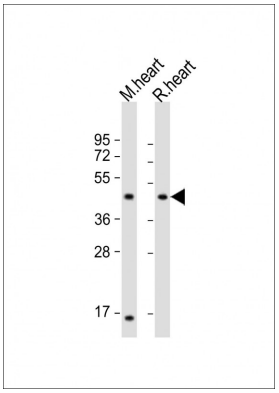
Hillier L.W.,et al.Nature 434:724-731(2005).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Stanchi F.,et al.Yeast 18:69-80(2001).
Mayr J.A.,et al.Am. J. Hum. Genet. 89:792-797(2011).

Images



All lanes : Anti-LIAS Antibody (C-Term) at 1:2000 dilution Lane 1: mouse heart lysate Lane 2: rat heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 42 kDa Blocking/Dilution buffer: 5% NFDM/TBST.