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LIAS Rabbit pAb

Catalog # AP99718

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O43766
Other Accession	O43766
Reactivity	Mouse
Predicted	Rat, Pig, Human, Rabbit, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41911
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LIAS
Epitope Specificity	28-130/372
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the radical SAM superfamily. Lipoyl synthase family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene belongs to the biotin and lipoic acid synthetases family. It localizes in mitochondrion and plays an important role in alpha-(+)-lipoic acid synthesis. It may also function in the sulfur insertion chemistry in lipoate biosynthesis. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	11019
Other Names	HGCLAS; HUSSY-01; LAS; LIP1; LS; PDHLD; 2900022L22Rik; 4933425M12Rik; 7a5ex; lip-syn; zgc:66080; LIAS_BOVIN; LIAS; Lipoate synthase (LS | Lip-syn); Lipoic acid synthase; 2.8.1.8; LIAS_HUMAN; LIAS_MOUSE; Lipoate synthase (LS | Lip-syn | mLIP1); LIAS_RAT; lipoic acid synthetase; Lipoyl synthase, mitochondrial
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

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}.

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