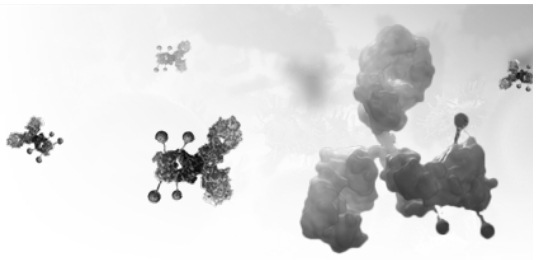

Mouse anti-Human LIAS monoclonal antibody, clone 2D8 (CABT-B10564)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	LIAS (NP_006850, 273 a.a. ~ 372 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	2D8
Conjugate	Unconjugated
Applications	WB, IHC, ELISA
Sequence Similarities	ISKTSIMLGLGENDEQVYATMKALREADVDCLTLGQYMQPTRRHLKVEEYITPEKFKYWE KVGNELGFHYTASGPLVRSSYKAGEFFLKNLVAKRKTKDL
Format	Liquid
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	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

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	at this locus and two transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Jul 2008]
Keywords	LIAS; lipoic acid synthetase; LS; LAS; LIP1; PDHLD; HUSSY-01; lipoyl synthase, mitochondrial; LS; lip-syn; lipoate synthase;

GENE INFORMATION

Entrez Gene ID	11019
UniProt ID	O43766
Pathway	Lipoic acid metabolism, organism-specific biosystem; Lipoic acid metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; lipoate biosynthesis and incorporation II, organism-specific biosystem;
Function	4 iron, 4 sulfur cluster binding; lipoate synthase activity; metal ion binding; transferase activity;

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