



Mouse anti-Human LARS2 monoclonal antibody, clone 4G23 (CABT-B10547)

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

PRODUCT INFORMATION

Immunogen	LARS2 (NP_056155, 806 a.a. ~ 904 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	4G23
Conjugate	Unconjugated
Applications	ELISA
Sequence Similarities	VPRKLCAHYTWDASVLLQAWPAVDPEFLQQPEVVQMAVLINNKACGKIPVPQQVARDQDK VHEFVLQSELGVRLLQGRSIKKSFLSPRTALINFLVQD*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	This gene encodes a class 1 aminoacyl-tRNA synthetase, mitochondrial leucyl-tRNA synthetase. Each of the twenty aminoacyl-tRNA synthetases catalyzes the aminoacylation of a
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specific tRNA or tRNA isoaccepting family with the cognate amino acid. [provided by RefSeq, Jul 2008]

Keywords	LARS2; leucyl-tRNA synthetase 2, mitochondrial; LEURS; PRLTS4; probable leucine--tRNA ligase, mitochondrial; leucine translase; leucine tRNA ligase 2, mitochondrial; leucine tRNA ligase 2, mitochondrial; probable leucyl-tRNA synthetase, mitochondrial;
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GENE INFORMATION

Entrez Gene ID	23395
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UniProt ID	Q15031
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Pathway	Aminoacyl-tRNA biosynthesis, organism-specific biosystem; Aminoacyl-tRNA biosynthesis, conserved biosystem; Gene Expression, organism-specific biosystem; Mitochondrial tRNA aminoacylation, organism-specific biosystem; Valine, leucine and isoleucine biosynthesis, organism-specific biosystem; Valine, leucine and isoleucine biosynthesis, conserved biosystem
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Function	ATP binding; leucine-tRNA ligase activity; ligase activity; nucleotide binding
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