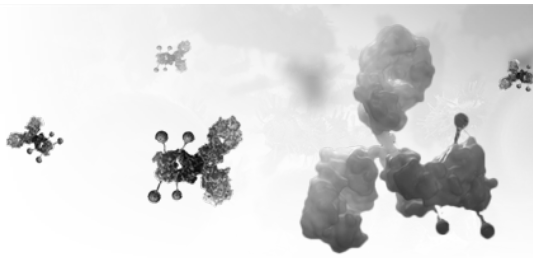

Mouse anti-Human FARSA monoclonal antibody, clone 3E9 (CABT-B10231)

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

PRODUCT INFORMATION

Immunogen	FARSLA (NP_004452, 101 a.a. ~ 202 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	3E9
Conjugate	Unconjugated
Applications	WB,ELISA
Sequence Similarities	KVGFSKAMSNKWIRVDKSAADGPRVFRVVDSMEDEVQRRLQLVRGGQAEKLGEKERSELR KRKLLAEVTLKTYWVSKGSAFSTSISKQETELSPEMISSGS*
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	Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. This gene encodes a product which is similar to the catalytic subunit of prokaryotic

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	and Saccharomyces cerevisiae phenylalanyl-tRNA synthetases (PheRS). This gene product has been shown to be expressed in a tumor-selective and cell cycle stage- and differentiation-dependent manner, the first member of the tRNA synthetase gene family shown to exhibit this type of regulated expression [provided by RefSeq, Jul 2008]
Keywords	FARSA; phenylalanyl-tRNA synthetase, alpha subunit; FRSA; CML33; FARSL; PheHA; FARSLA; phenylalanine--tRNA ligase alpha subunit; pheRS; phenylalanine--tRNA ligase alpha chain; phenylalanyl-tRNA synthetase alpha chain; phenylalanine-tRNA synthetase alpha-subunit; phenylalanine tRNA ligase 1, alpha, cytoplasmic; phenylalanyl-tRNA synthetase-like, alpha subunit; phenylalanine-tRNA synthetase-like, alpha subunit;

GENE INFORMATION

Entrez Gene ID	2193
UniProt ID	Q9Y285
Pathway	Aminoacyl-tRNA biosynthesis, organism-specific biosystem; Aminoacyl-tRNA biosynthesis, conserved biosystem; Cytosolic tRNA aminoacylation, organism-specific biosystem; Gene Expression, organism-specific biosystem; tRNA Aminoacylation, organism-specific biosystem
Function	ATP binding; ligase activity; nucleotide binding; phenylalanine-tRNA ligase activity; protein binding; tRNA binding

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