

Datasheet for ABIN5002472

**anti-Phenylalanyl-tRNA Synthetase, alpha Subunit (FARSA)
(AA 51-150) antibody (AbBy Fluor® 750)**



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Overview

Quantity:	100 µL
Target:	Phenylalanyl-tRNA Synthetase, alpha Subunit (FARSA)
Binding Specificity:	AA 51-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	AbBy Fluor® 750
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human FARSLA/CML33
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Cow, Sheep, Pig, Horse
Purification:	Purified by Protein A.

Target Details

Target:	Phenylalanyl-tRNA Synthetase, alpha Subunit (FARSA)
Alternative Name:	FARSLA/CML33 (FARSA Products)
Background:	Synonyms: CML 33, CML33, FARS, FARSA, FARSL, FRSA, PheHA, Phenylalanine tRNA ligase 1

Target Details

alpha cytoplasmic, Phenylalanine tRNA ligase alpha chain, Phenylalanine tRNA synthetase alpha subunit, Phenylalanine tRNA synthetase like alpha subunit, Phenylalanyl tRNA synthetase alpha chain, Phenylalanyl tRNA synthetase alpha subunit, Phenylalanyl tRNA synthetase like alpha subunit, PheRS.

Background: Aminoacyl-tRNA synthetases consist of a family of enzymes that catalyze the specific aminoacylation of tRNA by their cognate amino acid in the initial step of ribosome-dependent protein biosynthesis. FARSLA, also known as FRSA, CML33, FARSL or PheHA (phenylalanyl-tRNA synthetase, alpha subunit), is a member of the class-II aminoacyl-tRNA synthetase family and is highly expressed in proliferating cells of bone marrow. FARSLA is a cytoplasmic phenylalanine-tRNA synthetase that functions as a heterodimer consisting of a catalytic alpha-subunit and a regulatory beta-subunit. The alpha-subunit is responsible for forming the amino acid binding pocket, mediating the ATP/aminoacyl adenylate binding, and interacts with the acceptor stem of the tRNA. FARSLA functions in a cell cycle-dependent and differentiation-dependent manner.

Gene ID: 10160

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months