

Datasheet for ABIN359728

anti-Phenylalanyl-tRNA Synthetase, alpha Subunit (FARSA) (N-Term) antibody[Go to Product page](#)**2** Images

Overview

Quantity:	0.4 mL
Target:	Phenylalanyl-tRNA Synthetase, alpha Subunit (FARSA)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human FARSA.
Isotype:	Ig Fraction
Specificity:	This antibody reacts to FARSA.
Purification:	Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS

Target Details

Target:	Phenylalanyl-tRNA Synthetase, alpha Subunit (FARSA)
Alternative Name:	FARSA (FARSA Products)

Target Details

Background: Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. FARSA is similar to the catalytic subunit of prokaryotic and *Saccharomyces cerevisiae* phenylalanyl-tRNA synthetases (PheRS). This protein 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. Synonyms: CML33, FARS, FARSL, FARSLA, PheRS, Phenylalanine-tRNA ligase alpha chain, Phenylalanyl-tRNA synthetase alpha chain

Gene ID: 2193, 9606

UniProt: [Q9Y285](#)

Application Details

Application Notes: ELISA: 1/1,000. Western blotting: 1/50 - 1/100. Immunohistochemistry: 1/10 - 1/50.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS with 0.09 % (W/V) sodium azide

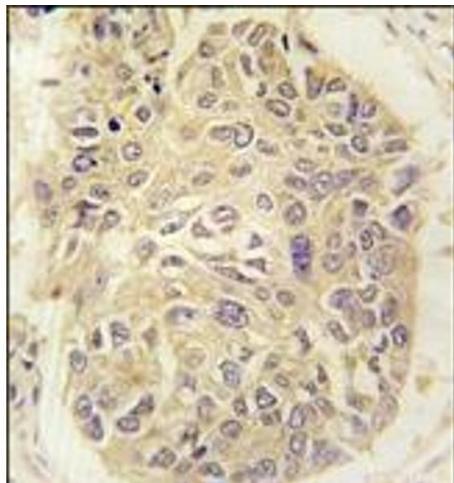
Preservative: Sodium azide

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

Handling Advice: Avoid repeated freezing and thawing.

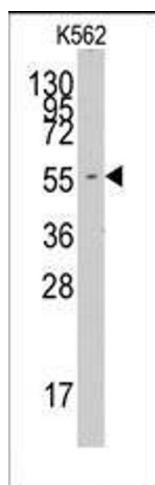
Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with FARSa antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



Western Blotting

Image 2. Western blot analysis of anti-FARSa Pab in K562 cell line lysates (35ug/lane). FARSa (arrow) was detected using the purified Pab (1:60 dilution).