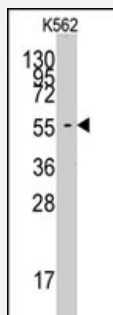


# FARSA polyclonal antibody

Catalog # PAB2966

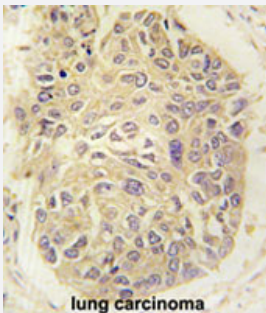
Size 400 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of FARSA polyclonal antibody (Cat # PAB2966) in K-562 cell line lysates (35 ug/lane). FARSA (arrow) was detected using the purified polyclonal antibody.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human lung carcinoma reacted with FARSA polyclonal antibody (Cat # PAB2966), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of FARSA.
<b>Immunogen</b>	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human FARSA.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Ammonium sulfate precipitation

<b>Recommend Usage</b>	Western Blot (1:1000) Immunohistochemistry (1:10-50) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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## Gene Info — FARSA

<b>Entrez GeneID</b>	<a href="#">2193</a>
<b>Protein Accession#</b>	<a href="#">NP_004452:Q9Y285</a>
<b>Gene Name</b>	FARSA
<b>Gene Alias</b>	CML33, FARSL, FARSLA, FRSA, PheHA
<b>Gene Description</b>	phenylalanyl-tRNA synthetase, alpha subunit
<b>Omim ID</b>	<a href="#">602918</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	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 and <i>Saccharomyces cerevisiae</i> 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]

**Other Designations**

phenylalanine tRNA ligase 1, alpha, cytoplasmic|phenylalanine-tRNA synthetase alpha-subunit|phenylalanine-tRNA synthetase-like, alpha subunit|phenylalanyl-tRNA synthetase-like, alpha subunit

**Publication Reference**

- [Exploring proteomes and analyzing protein processing by mass spectrometric identification of sorted N-terminal peptides.](#)  
Gevaert K, Goethals M, Martens L, Van Damme J, Staes A, Thomas GR, Vandekerckhove J.  
Nature Biotechnology 2003 Mar; 21(5):566.
- [Cloning and expression of human phenylalanyl-tRNA synthetase in Escherichia coli: comparative study of purified recombinant enzymes.](#)  
Moor N, Linshiz G, Safo M.  
Protein Expression and Purification 2002 Mar; 24(2):260.
- [Expression of a gene encoding a tRNA synthetase-like protein is enhanced in tumorigenic human myeloid leukemia cells and is cell cycle stage- and differentiation-dependent.](#)  
Sen S, Zhou H, Ripmaster T, Hittelman WN, Schimmel P, White RA.  
PNAS 1997 Jun; 94(12):6164.

**Pathway**

- [Aminoacyl-tRNA biosynthesis](#)