

**FARSA Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP7566a****Specification**

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**FARSA Antibody (N-term) - Product Information**

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">O9Y285</a>
Other Accession	<a href="#">O505J8</a> , <a href="#">O8C0C7</a>
Reactivity	<b>Human</b>
Predicted	<b>Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>57564</b>
Antigen Region	<b>54-83</b>

**FARSA Antibody (N-term) - Additional Information****Gene ID** 2193**Other Names**

Phenylalanine--tRNA ligase alpha subunit, CML33, Phenylalanyl-tRNA synthetase alpha subunit, PheRS, FARSA, FARS, FARSL, FARSLA

**Target/Specificity**

This FARSA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 54-83 amino acids from the N-terminal region of human FARSA.

**Dilution**WB~~1:1000  
IHC-P~~1:10~50**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

FARSA Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**FARSA Antibody (N-term) - Protein Information****Name** FARSA

**Synonyms** FARS, FARSL, FARSLA

**Cellular Location**

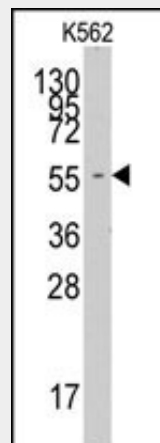
Cytoplasm {ECO:0000250|UniProtKB:Q505J8}.

**FARSA Antibody (N-term) - Protocols**

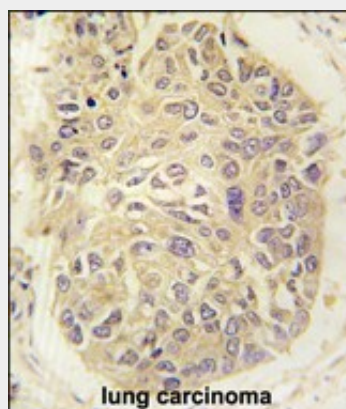
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**FARSA Antibody (N-term) - Images**



Western blot analysis of anti-FARSA Pab (Cat.#AP7566a) in K562 cell line lysates (35ug/lane). FARSA (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with FARSA antibody (N-term) (Cat.#AP7566a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for

immunohistochemistry; clinical relevance has not been evaluated.

#### **FARSA Antibody (N-term) - 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.

#### **FARSA Antibody (N-term) - References**

- Gevaert,K., Nat. Biotechnol. 21 (5), 566-569 (2003)  
Moor,N.,Protein Expr. Purif. 24 (2), 260-267 (2002)  
Sen,S., Proc. Natl. Acad. Sci. U.S.A. 94 (12), 6164-6169 (1997)