

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

FARSA Antibody (N-term) - Product Information

| | |
|-------------------|---|
| Application | IHC-P, WB,E |
| Primary Accession | Q9Y285 |
| Other Accession | Q505J8 , Q8C0C7 |
| Reactivity | Human |
| Predicted | Mouse, Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Calculated MW | 57564 |
| Antigen Region | 54-83 |

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

IHC-P~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

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

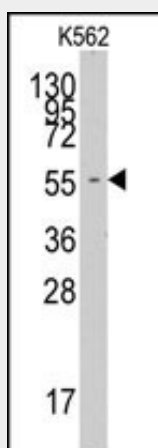
Cytoplasm {ECO:0000250|UniProtKB:Q505J8}.

FARSA Antibody (N-term) - Protocols

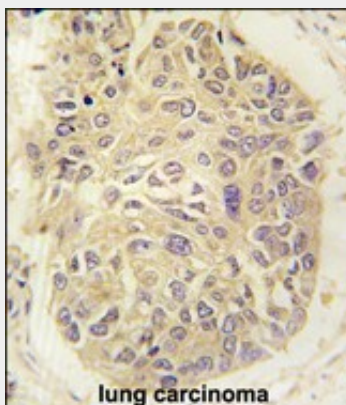
Provided below are standard protocols that you may find useful for product applications.

- [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)