

**FARSB Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14090b**

**Specification**

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**FARSB Antibody (C-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">O9NSD9</a>
Other Accession	<a href="#">NP_005678.3</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	66116
Antigen Region	535-564

**FARSB Antibody (C-term) - Additional Information**

**Gene ID** 10056

**Other Names**

Phenylalanine--tRNA ligase beta subunit, Phenylalanyl-tRNA synthetase beta subunit, PheRS, FARSB, FARSLB, FR5B

**Target/Specificity**

This FARSB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 535-564 amino acids from the C-terminal region of human FARSB.

**Dilution**

WB~~1:1000  
IHC-P~~1:10~50  
E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**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**

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

**FARSB Antibody (C-term) - Protein Information**

**Name** FARSB

**Synonyms** FARSLB, FRSB

**Cellular Location**

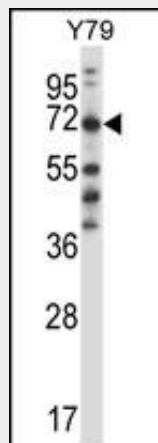
Cytoplasm.

**FARSB Antibody (C-term) - Protocols**

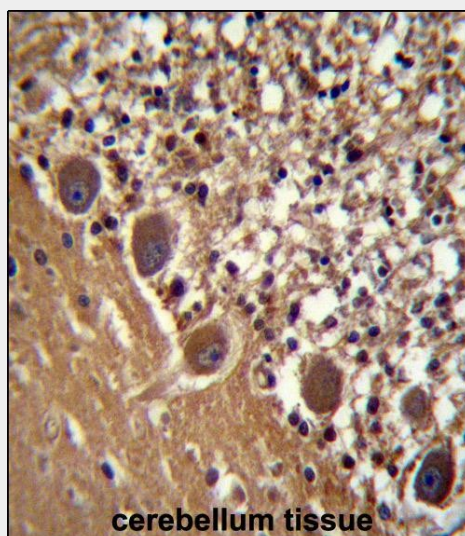
Provided below are standard protocols that you may find useful for product applications.

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

**FARSB Antibody (C-term) - Images**



FARSB Antibody (C-term) (Cat. #AP14090b) western blot analysis in Y79 cell line lysates (35ug/lane). This demonstrates the FARSB antibody detected the FARSB protein (arrow).



FARSB Antibody (C-term) (Cat. #AP14090b) immunohistochemistry analysis in formalin fixed and paraffin embedded human cerebellum tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of ANKS1B FARSB Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **FARSB Antibody (C-term) - Background**

This gene encodes a highly conserved enzyme that belongs to the aminoacyl-tRNA synthetase class IIc subfamily. This enzyme comprises the regulatory beta subunits that form a tetramer with two catalytic alpha subunits. In the presence of ATP, this tetramer is responsible for attaching L-phenylalanine to the terminal adenosine of the appropriate tRNA. A pseudogene located on chromosome 10 has been identified.

#### **FARSB Antibody (C-term) - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :  
Finarov, I., et al. Structure 18(3):343-353(2010)  
Yu, X.Y., et al. Bioorg. Med. Chem. Lett. 14(5):1339-1342(2004)  
Vasil'eva, I.A., et al. Biochemistry Mosc. 69(2):143-153(2004)  
Moor, N., et al. Biochemistry 42(36):10697-10708(2003)