10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FARSB Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14090b

Specification

FARSB Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q9NSD9
Other Accession	NP_005678.3
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, FRSB

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

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

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Synonyms FARSLB, FRSB

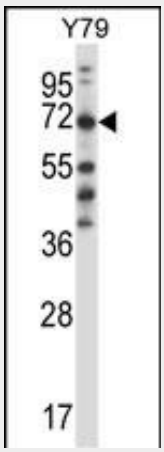
Cellular Location
Cytoplasm.

FARSB Antibody (C-term) - Protocols

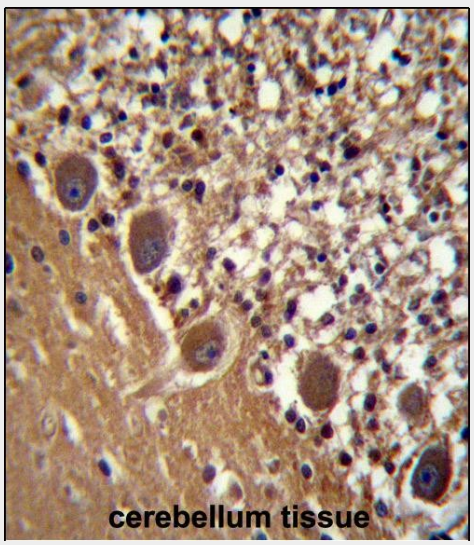
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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).



10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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)