

Product Name: KD-Validated FARSB Mouse Monoclonal Antibody**Catalog #: KVA00559**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:200-1:1,000; FC 1:100-1:1,000
Molecular Weight	Calculated MW: 66.1kDa

Antigen Information

Gene Name	FARSB
Alternative Names	FARSB; Phenylalanyl-TRNA Synthetase Subunit Beta; FRSB; FARSLB; PheHB; Phenylalanyl-TRNA Synthetase-Like, Beta Subunit; Phenylalanine TRNA Ligase 1, Beta, Cytoplasmic; Phenylalanyl-TRNA Synthetase Beta Subunit; Phenylalanine--TRNA Ligase Beta Subunit; EC 6.1.1.20; PheRS; Phenylalanine-TRNA Synthetase-Like, Beta Subunit; Phenylalanyl-TRNA Synthetase Beta Chain; Phenylalanine-TRNA Ligase Beta Chain; EC 6.1.1; HSPC173; NEDBLLA; RILDBC1; RILDBC; RJBS
Gene ID	10056.0
SwissProt ID	Q9NSD9
Immunogen	Recombinant protein of human FARSB

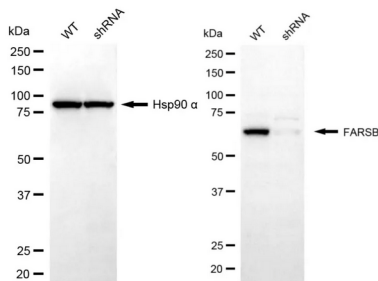
Background

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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]

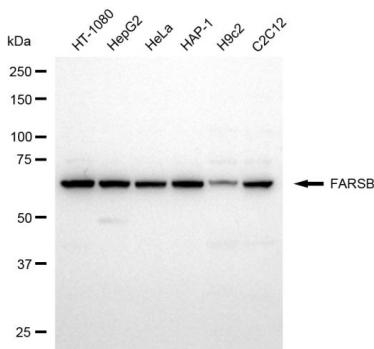
Research Area

Epigenetics and Nuclear Signaling

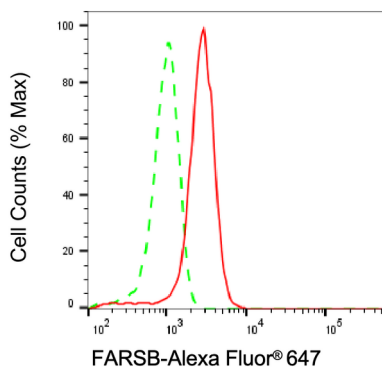
Image Data



Western blotting analysis using FARSB antibody (KVA00559). FARSB expression in wild type (WT) and FARSB shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with FARSB antibody (KVA00559, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using FARSB antibody (KVA00559). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with FARSB antibody (KVA00559, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Flow cytometric analysis of FARSB expression in HepG2 cells using FARSB antibody (KVA00559, 1:1,000). Green, isotype control; red, FARSB.