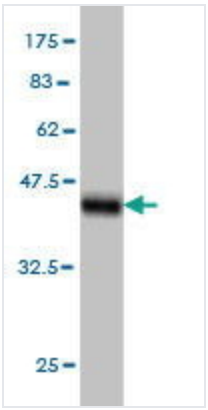
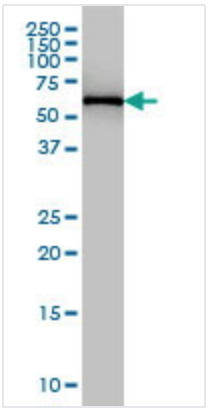
FARSB Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

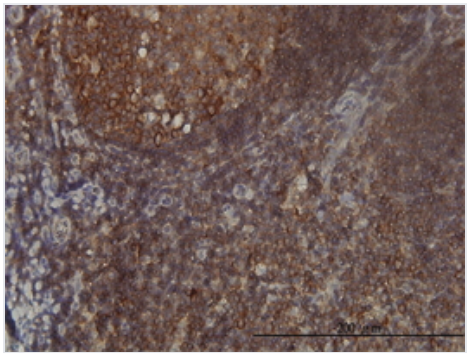
Product Name	FARSB, Monoclonal Antibody
Full Product Name	FARSB (Phenylalanine-tRNA Ligase beta Subunit, Phenylalanyl-tRNA Synthetase beta Subunit, PheRS, FARSLB, FRSB, HSPC173) (FITC)
Product Gene Name	anti-FARSB antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2F11
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human FARSLB.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and p to removing the cap.
Immunogen	Partial recombinant corresponding to aa234-341 from FARSLB (NP_005678) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	PPIINGDHSRITVNTRNIFIECTGTDFTKAKIVLDIIVTMFSEYCENQFTVEAAEVVFPNGKSHTFPELAYRKEMVRADLINKKVGIRETPENLAKLLTRMYLKS
Conjugate	FITC
Product Categories/Family for anti-FARSB antibody	Antibodies; DNA/RNA Translation
Applications Tested/Suitable for anti-FARSB antibody	ELISA (EIA), Immunohistochemistry (IHC) Paraffin, Western Blot (WB)
Application Notes for anti-FARSB antibody	IHC-P: 3ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-FARSB antibody	MBS6147146 is an antibody targeting FARSB. Also known as FARSB (Phenylalanine-tRNA Ligase beta Subunit, Phenylalanyl-tRNA Synthetase beta Subunit, PheRS, FARSLB, FRSB, HSPC173) (FITC). Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-FARSB antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry and additional dry ice fee may apply.



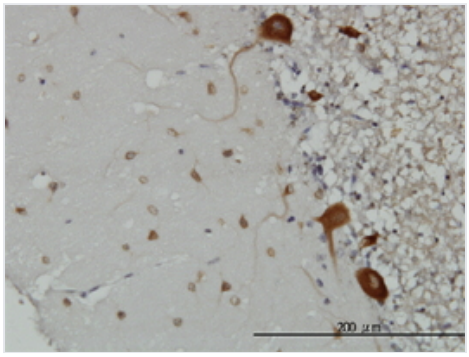
Western Blot (WB) of anti-FARSB antibody
Western Blot detection against Immunogen (37.62kD).



Western Blot (WB) of anti-FARSB antibody
FARSLB monoclonal antibody Western Blot analysis of FARSLB expression in HepG2



Immunohistochemistry (IHC) of anti-FARSB antibody
Immunoperoxidase of monoclonal antibody to FARSLB on formalin-fixed paraffin-embedded human tonsil tissue. [antibody concentration 3ug/ml]



Immunohistochemistry (IHC) of anti-FARSB antibody
Immunoperoxidase of monoclonal antibody to FARSLB on formalin-fixed paraffin-embedded human cerebellum. [antibody concentration 3ug/ml]

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FARSB. It may not necessarily be applicable to this product.

NCBI GI #	1653962232
NCBI GeneID	10056
NCBI Accession #	NM_005687.5
UniProt Related Accession #	Q9NSD9
GenBank Nucleotide #	NM_005687
NCBI Official Full Name	Homo sapiens phenylalanyl-tRNA synthetase subunit beta (FARSB), transcript variant 1, mRNA
NCBI Official Synonym Full Names	phenylalanyl-tRNA synthetase subunit beta
NCBI Official Symbol	FARSB
NCBI Official Synonym Symbols	FRSB; PheHB; PheRS; FARSLB; RILDBC; HSPC173; NEDBLLA
NCBI Protein Information	phenylalanine--tRNA ligase beta subunit
NCBI Summary for FARSB	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 Articles on FARSB	**1.** This study further implicates FARSB mutations in a multisystem, recessive, neurodevelopmental phenotype that share clinical features with the previously known aminoacyl-tRNA synthetase-related diseases.

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