

Rabbit FARS2 Polyclonal Antibody | anti-FARS2 antibody

FARS2 antibody - N-terminal region

CATALOG # AAA198736	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

FARS2; Polyclonal Antibody; FARS2 antibody - N-terminal region; anti-FARS2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide located within the following region: VELLGKSY PQDD HSNLTRK VLT RVGRNLHNQQ HHPLWLIKER VKEHFYKQ
Sequence Length	451
Applicable Applications for anti-FARS2 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 93%; Dog: 92%; Guinea Pig: 85%; Horse: 83%; Human: 100%; Mouse: 92%; Rabbit: 100%; Rat: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human FARS2
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-FARS2 Antibody Titration: 5.0ug/ml
ELISA Titer: 1:62500
Positive Control: Transfected 293T


IHC (Immunohistochemistry)

Rabbit Anti-FARS2 Antibody
Paraffin Embedded Tissue: Human Muscle
Cellular Data: Skeletal muscle cells
Antibody Concentration: 4.0-8.0 ug/ml
Magnification: 400X

ADDITIONAL INFORMATION

Related Product Information for anti-FARS2 antibody	This is a rabbit polyclonal antibody against FARS2. It was validated on Western Blot and immunohistochemistry Target Description: Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. FARS2 is a phenylalanine-tRNA synthetase (PheRS) localized to the mitochondrion which consists of a single polypeptide chain, unlike the (alpha-beta)₂ structure of the prokaryotic and eukaryotic cytoplasmic forms of PheRS. Structure analysis and catalytic properties indicate mitochondrial PheRSs may constitute a class of PheRS distinct from the enzymes found in prokaryotes and in the eukaryotic cytoplasm. Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. FARS1 encodes a mitochondrially-located phenylalanine-tRNA synthetase (PheRS) which consists of a single polypeptide chain unlike the (alpha-beta)₂ structure of the prokaryotic and eukaryotic cytoplasmic forms of PheRS. Structure analysis and catalytic properties indicate mitochondrial PheRSs may constitute a class of PheRS distinct from the enzymes found in prokaryotes and the eukaryotic cytoplasm.
Product Categories/Family for anti-FARS2 antibody	Polyclonal; RNA Binding Proteins; Immunohistochemistry

NCBI AND UNIPROT INFORMATION

NCBI GI #	5729820
NCBI GeneID	10667
NCBI Accession #	NP_006558
NCBI GenBank Nucleotide #	NM_006567
UniProt Accession #	O95363
Molecular Weight	50kDa
NCBI Official Full Name	phenylalanine--tRNA ligase, mitochondrial
NCBI Official Synonym Full Names	phenylalanyl-tRNA synthetase 2, mitochondrial
NCBI Official Symbol	FARS2
NCBI Official Synonym Symbols	FARS1; PheRS; SPG77; COXPD14; HSPC320
NCBI Protein Information	phenylalanine--tRNA ligase, mitochondrial
UniProt Protein Name	Phenylalanine--tRNA ligase, mitochondrial
UniProt Gene Name	FARS2
UniProt Synonym Gene Names	FARS1; PheRS
UniProt Entry Name	SYFM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/fars2-antibody-western-blot-immunohistochemistry-elisa/198736>