

DNAxPAb

Hard-to-Find
Antibody

FARS2 DNAxPab

Catalog # H00010667-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human FARS2 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence MVGSALRRGAHAYVYLVSKASHISRGHQHQA WGS RPPAAECATQ RAPGSVVELLGKSYPQDDH
SNLTRKVLTRVGRNLHNQQHHPLWL IKERVKEHFYKQYVGRFGTPLFSVYDNLSPVTTWQNFDS
LLIPADHPSRKKGDNYLNRTHMLRAHTSAHQWDL LHAGLDAFLVVGDVYRRDQIDSQHYPHFHQL
EAVRLF SKHEL FAGIKDGE SLQ LFEQSSRS AHKQETHTMEAVKLVEFDLKQTLTRLMAHLFGDEL
EIRWVDCYFPFTHPSFEMEINFHGEWLEVLGCGVMEQQLVNSAGAQDRIGWAFGLGLERLAMIL Y
DIPDIRLFWCEDERFLKQFCVSNINQKVKFQPLSKYPAVINDISFWLPSENYAENDFYDLVRTIGGD
LVEKVDLIDKFVHPKTHKTSHCYRITYRHMERTLSQREVRHHQALQEAAVQLLGVEGRF

Host Rabbit

Reactivity Human

Purification Protein A

Quality Control Testing Antibody reactive against mammalian transfected lysate.

Storage Buffer In 1x PBS, pH 7.4

Storage Instruction Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — FARS2

Entrez GeneID [10667](#)

GeneBank Accession# [NM_006567.2](#)

Protein Accession# [NP_006558.1](#)

Gene Name FARS2

Gene Alias FARS1, HSPC320, PheRS, dJ520B18.2

Gene Description phenylalanyl-tRNA synthetase 2, mitochondrial

Omim ID [611592](#)

Gene Ontology [Hyperlink](#)

Gene Summary Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. This gene encodes a phenylalanine-tRNA synthetase (PheRS) localized to the mitochondri on which consists of a single polypeptide chain, unlike the (alpha-beta)₂ structure of the prokaryoti c 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 prokar yotes and in the eukaryotic cytoplasm. [provided by RefSeq]

Other Designations OTTHUMP00000015986|OTTHUMP00000039213|dJ236A3.1 (phenylalanine-tRNA synthetase)| dJ520B18.2 (FARS1 (phenylalanine-tRNA synthetase))|phenylalanine tRNA ligase 2, mitochondri al|phenylalanine translase|phenylalanine--tRNA ligase|phenylalanine-tRNA synthetase

Pathway

- [Aminoacyl-tRNA biosynthesis](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)

- [Tobacco Use Disorder](#)