

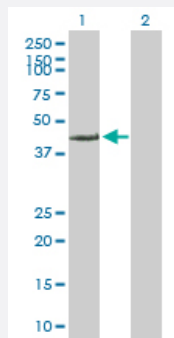
MaxPab®

FARS2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00010667-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of FARS2 expression in transfected 293T cell line ([H00010667-T01](#)) by FARS2 MaxPab polyclonal antibody.

Lane 1: FARS2 transfected lysate(49.61 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human FARS2 protein.

Immunogen

FARS2 (NP_006558.1, 1 a.a. ~ 451 a.a) full-length human protein.

Sequence

MVGSALRRGAHAYVLVSKASHISRGHQHQA WGS RPPAAECATQRAPGSVVELLGKSY PQDDH
SNLTRKVLTRVGRNLHNQQHHPLWL IKERVKEHFYKQYVGRFGTPLFSVYDNLSPVTTWQNFDS
LLIPADHPSRKKGDNYLNRTHMLRAHTSAHQWDL LHAGLDAFLVVGDVYRRDQIDSQHYPHFHQL
EAVRLF SKHEL FAGIKDGESLQLFEQSSRSAHKQETHMEAVKLVEFDLKQTLTRLMAHLFGDEL
EIRWVDCYFPFTHPSFEMEINFHGEWLEVLGCGVMEQQLVNSAGAQDRIGWAFGLGLERLAMIL Y
DIPDIRLFWCEDERFLKQFCVSNINQKV KFQPLSKYPAVINDISFWLPSENYAENDFYDLVRTIGGD
LVEKVDLIDKFVHPKTHKTSHCYRITYRHMERTLSQREVRHIHQALQEAAVQLLGVEGRF

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (85); Rat (82)

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.

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[Protocol Download](#)

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 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. [provided by RefSeq]

Other Designations OTTHUMP00000015986|OTTHUMP00000039213|dJ236A3.1 (phenylalanine-tRNA synthetase)|dJ520B18.2 (FARS1 (phenylalanine-tRNA synthetase))|phenylalanine tRNA ligase 2, mitochondrial|phenylalanine transylase|phenylalanine--tRNA ligase|phenylalanine-tRNA synthetase

Pathway

- [Aminoacyl-tRNA biosynthesis](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Tobacco Use Disorder](#)