

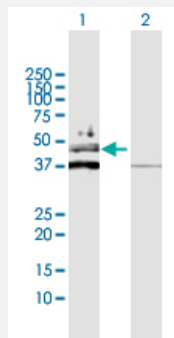
MaxPab®

FARS2 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00010667-D01

Size 100 uL

Applications

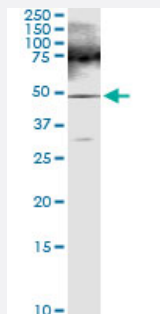


Western Blot (Transfected lysate)

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

Lane 1: FARS2 transfected lysate(52.40 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of FARS2 transfected lysate using anti-FARS2 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with FARS2 purified MaxPab mouse polyclonal antibody (B01P) ([H00010667-B01P](#)).

Specification

Product Description

Rabbit 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

MVGSALRRGAHAYVYLVS KASHISRGHQHQA WGSRPPAAECATQ RAPGSVVELLGKSY PQDDH
SNLTRKVLTRVGRNLHNQQHHPLWL I KERVKEHFYKQYVGRFGT PLFSVYDNLSPVTTWQNFDS
LLIPADHPSRKKGDNYLNRTHMLRAHTSAHQWDL LHAGLDAFLVVG DVYRRDQIDSQHYPHFHQL
EAVRLF SKHELFA GIKDGESLQ LFEQSSRSAHKQETH TMEAVKLVEFDLKQTLTRLMAHLFGDEL
EIRWVDCYFPFTHPSFEMEINFHGEWLEVLGCGVMEQQLVNSAGA QDRIGWAFGLGLERLAMIL Y
DIPDIRLFWCEDERFLKQFCVSNINQKV KFQPLSKYPAVINDISFWLPSENYAENDFYDLVRTIGGD
LVEKVDLIDKFVHPKTHKTSHCYRITYRHMER T LSQREVRHHQALQEAAVQLLGVEGRF

Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (85); Rat (82)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

- Immunoprecipitation

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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 mitochondria on 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](#)