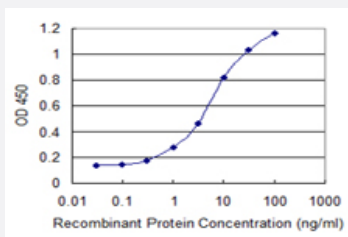


FARS2 monoclonal antibody (M03), clone 3F1

Catalog # H00010667-M03

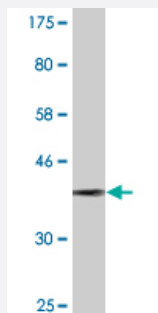
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FARS2 is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.85 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant FARS2.
Immunogen	FARS2 (NP_006558.1, 351 a.a. ~ 451 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	KVKFQPLSKYPAVINDISFWLPSENYAENDFYDLVRTIGGDLVEKVDLIDKFVHPKTHKTSHCYRITY RHMERTLSQREVRHIHQALQEAAVQLLGVEGRF
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (85); Rat (82)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.85 KDa) .
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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FARS2 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — FARS2

Entrez GeneID	10667
GeneBank Accession#	NM_006567
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 translocase|phenylalanine--tRNA ligase|phenylalanine-tRNA synthetase

Pathway

- [Aminoacyl-tRNA biosynthesis](#)

Disease

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