

For Research Use Only

# FARS2 Polyclonal antibody

Catalog Number: 16436-1-AP **5 Publications**



## Basic Information

<b>Catalog Number:</b> 16436-1-AP	<b>GenBank Accession Number:</b> BC021112	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 450 µg/ml	<b>GeneID (NCBI):</b> 10667	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O95363	
<b>Isotype:</b> IgG	<b>Full Name:</b> phenylalanyl-tRNA synthetase 2, mitochondrial	
<b>Immunogen Catalog Number:</b> AG9750	<b>Calculated MW:</b> 451 aa, 52 kDa	
	<b>Observed MW:</b> 48 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, Jurkat cells, HepG2 cells
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human, rat, mouse	

## Background Information

FARS2, a nuclear gene located on chromosome 6 (6p25.1), encodes the mitochondrial phenylalanyl-tRNA synthetase (mtPheRS), which transfers phenylalanine (Phe) to its cognate tRNA in mitochondria (PMID: 32774346).

## Notable Publications

Author	Pubmed ID	Journal	Application
Elise Vantroys	29126765	Mol Genet Metab	WB
Giulia Barcia	33168986	Eur J Hum Genet	WB
Qian Zhou	35879296	Nat Commun	WB

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

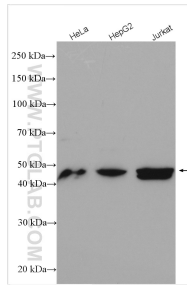
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16436-1-AP (FARS2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.