

Datasheet for ABIN629969  
**anti-FARS2 antibody (N-Term)**



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2 Images

## Overview

Quantity:	100 µg
Target:	FARS2
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FARS2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	FARS2 antibody was raised using the N terminal of FARS2 corresponding to a region with amino acids VELLGKSYPQDDHSNLTRKVLTRVGRNLHNQQHHPLWLIKERVKEHFYKQ
Specificity:	FARS2 antibody was raised against the N terminal of FARS2
Purification:	Purified

## Target Details

Target:	FARS2
Alternative Name:	FARS2 ( <a href="#">FARS2 Products</a> )
Background:	Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. FARS2 is a phenylalanine-tRNA synthetase (PheRS) localized to the mitochondrion which consists of a single polypeptide chain, unlike the (alpha-beta) <sub>2</sub> structure

## Target Details

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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.

Molecular Weight: 50 kDa (MW of target protein)

## Application Details

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Application Notes: WB: 5 µg/mL, IHC: 4-8 µg/mL  
Optimal conditions should be determined by the investigator.

Comment: FARS2 Blocking Peptide, catalog no. 33R-9501, is also available for use as a blocking control in assays to test for specificity of this FARS2 antibody

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of FARS2 antibody in PBS

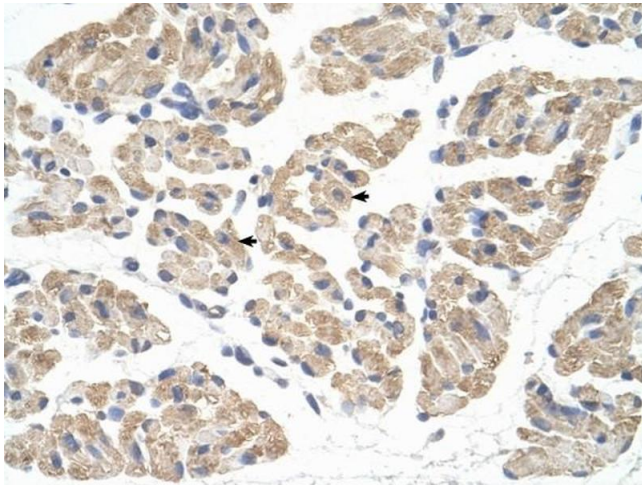
Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.  
Dilute only prior to immediate use.

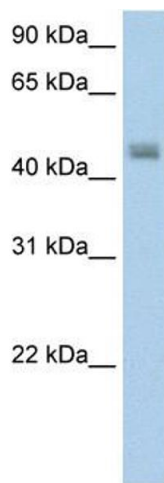
Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



### Immunohistochemistry

**Image 1.** FARS2 antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml to stain Skeletal muscle cells (arrows) in Human Muscle. Magnification is at 400X



### Western Blotting

**Image 2.** FARS2 antibody used at 5 ug/ml to detect target protein.