

Datasheet for ABIN953139
anti-LARS antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	0.4 mL
Target:	LARS
Binding Specificity:	AA 183-213, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LARS antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 183-213 amino acids from the N-terminal region of Human LARS.
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human and Mouse LARS (N-term).
Purification:	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS

Target Details

Target:	LARS
Alternative Name:	LARS (LARS Products)
Background:	This gene encodes a cytosolic leucine-tRNA synthetase, a member of the class I aminoacyl-

Target Details

tRNA synthetase family. The encoded enzyme catalyzes the ATP-dependent ligation of L-leucine to tRNA(Leu). It is found in the cytoplasm as part of a multisynthetase complex and interacts with the arginine tRNA synthetase through its C-terminal domain. Alternatively spliced transcript variants of this gene have been found, however, their full-length nature is not known. Synonyms: EC=6.1.1.4, KIAA1352, LARS, LeuRS, Leucine-tRNA ligase, Leucyl-tRNA synthetase, cytoplasmic

Molecular Weight: 134466 Da

Gene ID: 51520

NCBI Accession: [NP_064502](#)

Pathways: [EGFR Signaling Pathway](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS containing 0.09 % (W/V) Sodium Azide as preservative

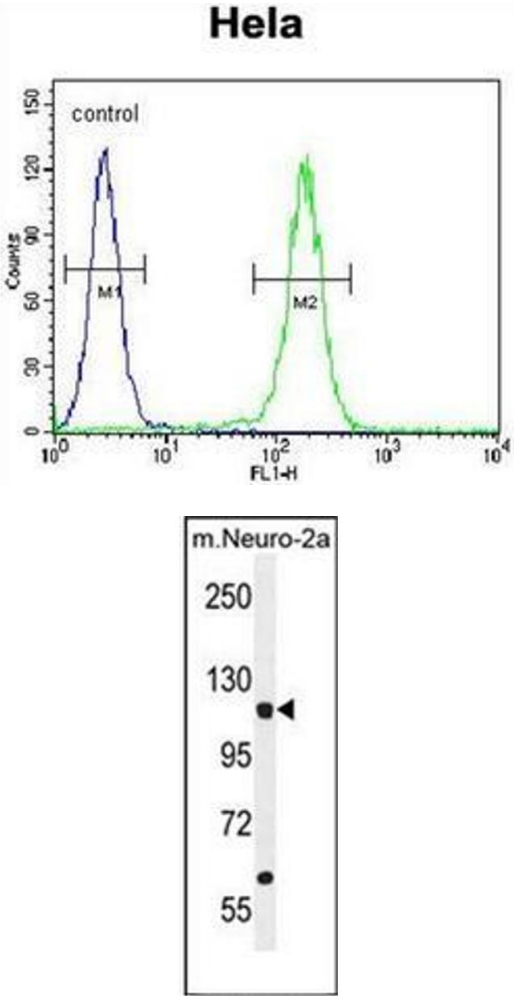
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Flow Cytometry

Image 1. Flow cytometric analysis of Hela cells using LARS Antibody (N-term) Cat.-No AP52444PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of LARS Antibody (N-term) in mouse Neuro-2a cell line lysates (35ug/lane). This demonstrates the LARS antibody detected the LARS protein (arrow).