

Datasheet for ABIN7158034
anti-LARS antibody (AA 614-892)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µL
Target:	LARS
Binding Specificity:	AA 614-892
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LARS antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Leucine-tRNA ligase, cytoplasmic protein (614-892AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	LARS
Alternative Name:	LARS (LARS Products)
Background:	Background: Catalyzes the specific attachment of an amino acid to its cognate tRNA in a two step reaction: the amino acid (AA) is first activated by ATP to form AA-AMP and then

Target Details

transferred to the acceptor end of the tRNA. Exhibits a post-transfer editing activity to hydrolyze mischarged tRNAs.

Aliases: cytoplasmic antibody, Cytoplasmic leucyl tRNA synthetase antibody, Cytosolic leucyl tRNA synthetase antibody, FLJ10595 antibody, FLJ21788 antibody, hr025Cl antibody, HSPC 192 antibody, HSPC192 antibody, KIAA1352 antibody, LARS 1 antibody, Lars antibody, LARS1 antibody, Leucine translase antibody, Leucine tRNA ligase antibody, Leucine-tRNA ligase antibody, Leucyl tRNA synthetase cytoplasmic antibody, Leucyl-tRNA synthetase antibody, LeuRS antibody, LEUS antibody, LRS antibody, PIG 44 antibody, PIG44 antibody, Proliferation inducing gene 44 antibody, RNTLS antibody, SYLC_HUMAN antibody

UniProt: [Q9P2J5](#)

Pathways: [EGFR Signaling Pathway](#)

Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

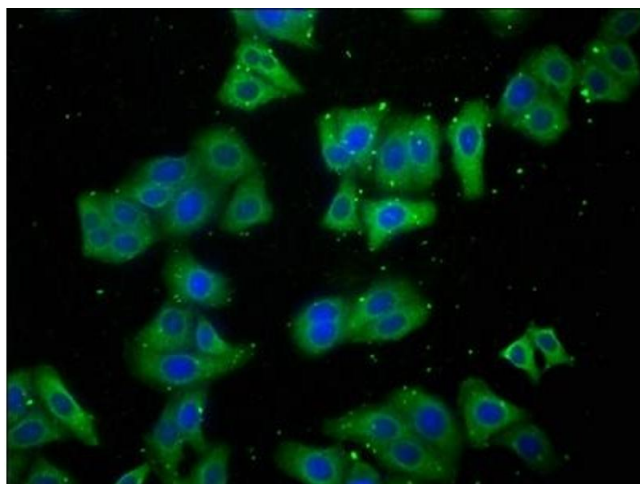
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

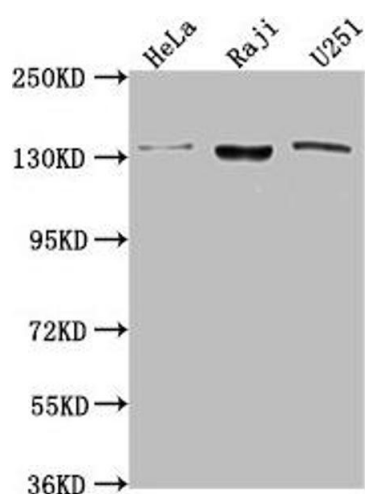
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



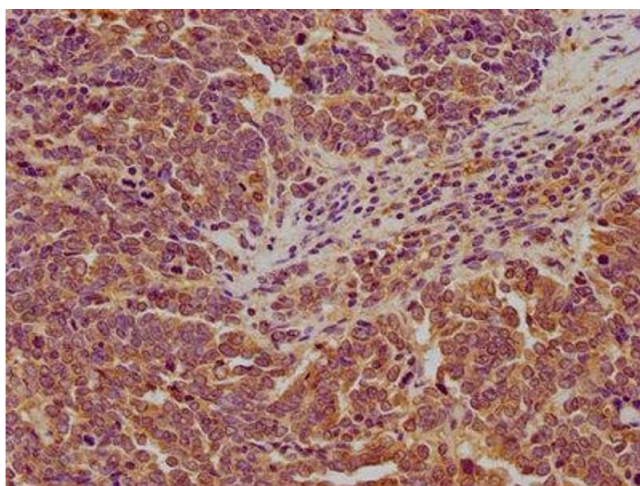
Immunofluorescence

Image 1. Immunofluorescence staining of HepG2 cells with ABIN7158034 at 1:100, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Western Blotting

Image 2. Western Blot Positive WB detected in: HeLa whole cell lysate, Raji whole cell lysate, U251 whole cell lysate. All lanes: LARS antibody at 1:2000. Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 135, 129, 56 kDa. Observed band size: 135 kDa.



Immunohistochemistry

Image 3. IHC image of ABIN7158034 diluted at 1:200 and staining in paraffin-embedded human lung cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.