

Datasheet for ABIN7599861  
**anti-LARP1 antibody (AA 123-401)**



[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	LARP1
Binding Specificity:	AA 123-401
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LARP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS)

## Product Details

Purpose:	Anti-LARP1 Antibody Picoband®
Immunogen:	E.coli-derived human LARP1 recombinant protein (Position: K123-E401).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-LARP1 Antibody Picoband® (ABIN7599861). Tested in ELISA, IF, IHC, ICC, WB, Flow Cytometry applications. This antibody reacts with Human, Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

## Target Details

Target:	LARP1
Alternative Name:	LARP1 ( <a href="#">LARP1 Products</a> )
Background:	<p>Synonyms: Interferon regulatory factor 9,IRF-9,IFN-alpha-responsive transcription factor subunit,ISGF3 p48 subunit,Interferon-stimulated gene factor 3 gamma,ISGF-3 gamma,Transcriptional regulator ISGF3 subunit gamma,IRF9,ISGF3G,</p> <p>Tissue Specificity: Leukocytes.</p> <p>Background: La-related protein 1 (LARP1) is a 150 kDa protein that in humans is encoded by the LARP1 gene. La-related protein 1 (LARP1) is a ubiquitously expressed RNA binding protein that promotes both global and specific mRNA translation in cells. LARP1 belongs to the La-related protein family and contains two RNA binding domains, a La motif (LAM), and a neighboring RNA recognition motif-like (RRM-L) domain. Research studies indicate that LARP1 acts downstream of mTORC1 to facilitate cell proliferation and growth by promoting global mRNA translation and translation of mRNAs containing a 5'Terminal Oligo-Pyrimidine (5'TOP) motif, which code for translational machinery components. At the molecular level, LARP1 associates with 5'TOP mRNAs and multiple translation machinery components to positively regulate translation. Additional studies show that LARP1 expression is upregulated in hepatocellular carcinoma (HCC) patients and that high LARP1 expression in HCC negatively correlates with survival rate.</p>
Molecular Weight:	150 kDa
Gene ID:	23367
Pathways:	<a href="#">SARS-CoV-2 Protein Interactome</a> , <a href="#">The Global Phosphorylation Landscape of SARS-CoV-2 Infection</a>

## Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Mouse</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg /1x10<sup>6</sup> cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Chauvet, S., Maurel-Zaffran, C., Miassod, R., Jullien, N., Pradel, J., Aragnol, D. dlarp, a new candidate Hox target in Drosophila whose orthologue in mouse is expressed at sites of epithelium/mesenchymal interactions. Dev. Dyn. 218: 401-413, 2000. 2. Hartz, P. A. Personal Communication. Baltimore, Md. 5/16/2008. 3. Nagase, T., Ishikawa, K., Suyama, M., Kikuno, R.,</p>
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Application Details

Miyajima, N., Tanaka, A., Kotani, H., Nomura, N., Ohara, O. Prediction of the coding sequences of unidentified human genes. XI. The complete sequences of 100 new cDNA clones from brain which code for large proteins in vitro. DNA Res. 5: 277-286, 1998.

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.