

# Product Datasheet

## LARP1 Antibody NBP1-19128

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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**NBP1-19128****LARP1 Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	0.2 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	TBS and 0.1% BSA

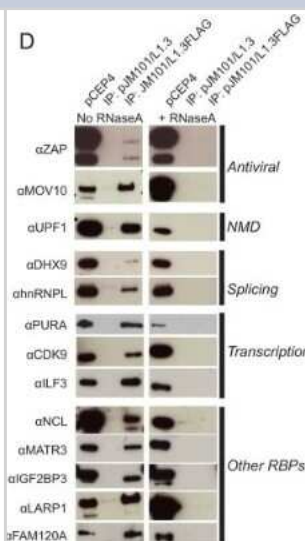
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	23367
<b>Gene Symbol</b>	LARP1
<b>Species</b>	Human
<b>Immunogen</b>	The immunogen recognized by this antibody maps to a region between residue 275 and 325 of human La ribonucleoprotein domain family, member 1 using the numbering given in entry NP_291029.2 (GenelD 23367).

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:2000-1:10000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence Reported in scientific literature (PMID 25951186), Immunoprecipitation 2-10 ug/mg lysate, Immunohistochemistry-Paraffin 1:100 to 1:500
<b>Application Notes</b>	Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.

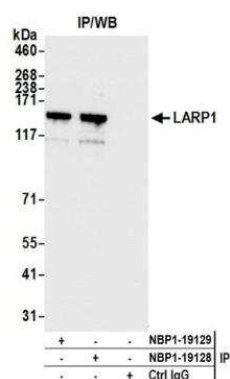


## Images

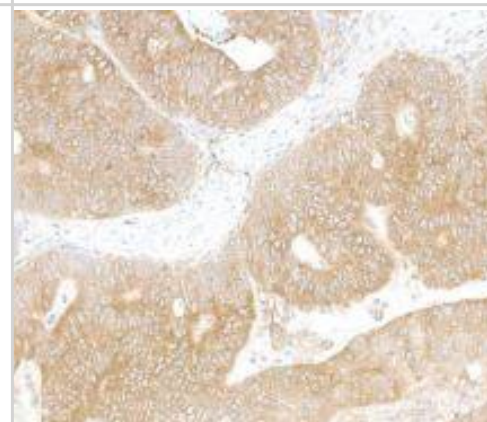
**Western Blot: LARP1 Antibody [NBP1-19128]** - The identification of host proteins immunoprecipitated with L1 ORF1p-FLAG. Validation of putative ORF1p-FLAG interacting proteins: Western blot images of the pJM101/L1.3FLAG and pJM101/L1.3 immunoprecipitation (IP) reactions. The pCEP4 lanes denote whole cell lysates derived from HeLa cells transfected with an empty pCEP4 vector (~ 1.0% input). Primary antibodies used to probe western blots are indicated to the left of the images (ahnrRNPL (NBP1-67852), aILF3 (EPR3627), aDHX9 (NB110-40579), aMATR3 (NB100-1761), aNCL (NB100-1920)). Immunoprecipitation reactions were conducted in either the absence (left) or presence (right) of RNaseA (10 ug/mL). The putative cellular functions of the ORF1p-FLAG interacting proteins are indicated on the right hand side of the blots. Image collected and cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pgen.1005121>), licensed under a CC-BY license.



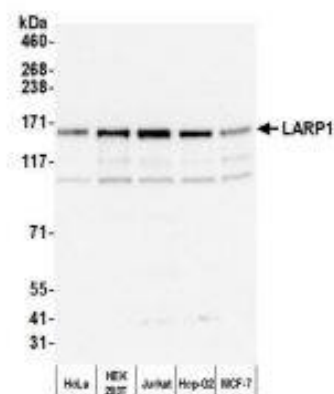
**Immunoprecipitation: LARP1 Antibody [NBP1-19128]** - Detection of human LARP1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-LARP1 NBP1-19128 used for IP at 3 ug per reaction. LARP1 was also immunoprecipitated by rabbit anti-LARP1 antibody NBP1-19129. For blotting immunoprecipitated LARP1, NBP1-19128 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.



**Immunohistochemistry-Paraffin: LARP1 Antibody [NBP1-19128]** - Section of human colon carcinoma. Antibody: Affinity purified rabbit anti-LARP1 used at a dilution of 1:200 (1ug/ml). Detection: DAB



**Western Blot: LARP1 Antibody [NBP1-19128]** -Whole cell lysate (10 ug) from HeLa, HEK293T, Jurkat, HepG2, and MCF-7 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-LARP1 antibody used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.



## Publications

Hanna Bley, Christoph Krisp, Anja Schöbel, Julia Hehner, Laura Schneider, Miriam Becker, Cora Stegmann, Elisa Heidenfels, Van Nguyen-Dinh, Hartmut Schlüter, Gisa Gerold, Eva Herker Proximity labeling of host factor ANXA3 in HCV infection reveals a novel LARP1 function in viral entry The Journal of Biological Chemistry 2024-04-16 [PMID: 38636657]

Smith EM, Benbahouche NEH, Morris K et al. The mTOR regulated RNA-binding protein LARP1 requires PABPC1 for guided mRNA interaction Nucleic acids research 2020-12-17 [PMID: 33332560] (IP, Human)

Details:  
HeLa

Plissonnier ML, Cottarel J, Piver E et al. LARP1 binding to hepatitis C virus particles is correlated with intracellular retention of viral infectivity Virus Res. 2019-10-02 [PMID: 31398365] (ICC/IF, WB, Human)

Plissonnier Marie-Laure, Lahlali Thomas, Michelet Maud et al. Epidermal Growth Factor Receptor-Dependent Mutual Amplification between Netrin-1 and the Hepatitis C Virus. PLoS Biol 2016-01-01 [PMID: 27031829] (WB, ICC/IF, Human)

Moldovan JB, Moran JV. The Zinc-Finger Antiviral Protein ZAP Inhibits LINE and Alu Retrotransposition. PLoS Genet 2015-05-01 [PMID: 25951186] (ICC/IF, WB, Human)





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### **Products Related to NBP1-19128**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-49151PEP	LARP1 Recombinant Protein Antigen

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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