

# 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

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

Product Description	
Description	Novus Biologicals Rabbit LARP1 Antibody (NBP1-19128) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-LARP1 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	23367
Gene Symbol	LARP1
Species	Human
Immunogen	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 (GeneID 23367).

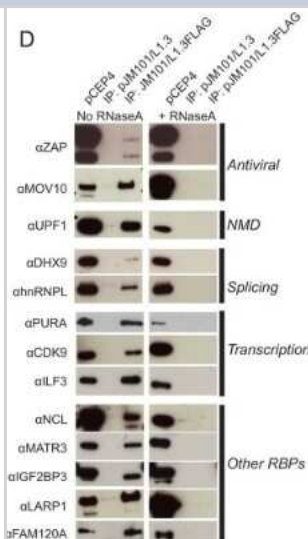
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence Reported in scientific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



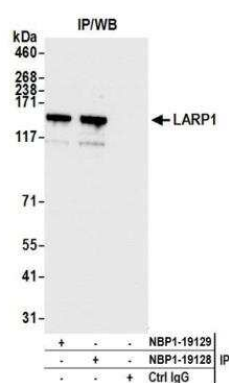
## Images

**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 (ahhRNPL (NBP1-67852), aILF3 (EPR3627), aDHX9 (NB110-40579), aMATR3 (NB100-1761), aNCL (NB100-1920)).

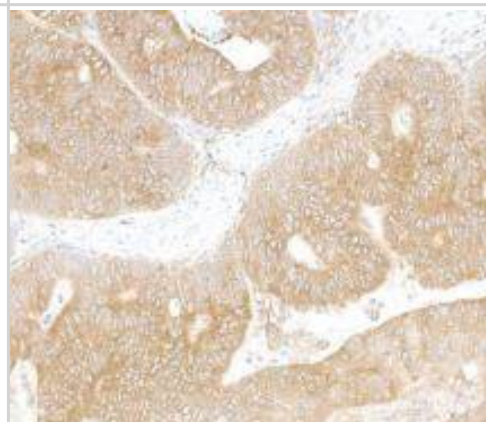
Immunoprecipitation reactions were conducted in either the absence (left) or presence (right) of RNaseA (10 ug/mL). The putative cellular functions of the ORF1p-FLAG interacting proteins are indicated on the right hand side of the blots. Image collected and cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pgen.1005121>), licensed under a CC-BY license.



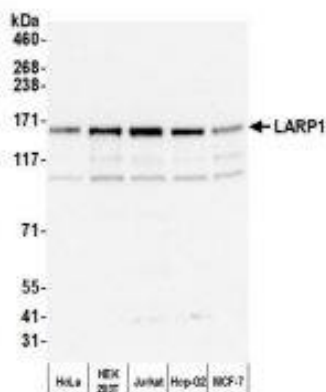
**Immunoprecipitation: LARP1 Antibody [NBP1-19128]** - Detection of human LARP1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-LARP1 NBP1-19128 used 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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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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