

# Product Datasheet

## CLPP Antibody (JE40-00) NBP3-32195

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP3-32195**

CLPP Antibody (JE40-00)

| Product Information         |                                                                                                                                                             |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit Size                   | 100 ul                                                                                                                                                      |
| Concentration               | 1 mg/ml                                                                                                                                                     |
| Storage                     | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.                                                                      |
| Clonality                   | Monoclonal                                                                                                                                                  |
| Clone                       | JE40-00                                                                                                                                                     |
| Preservative                | 0.05% Sodium Azide                                                                                                                                          |
| Isotype                     | IgG                                                                                                                                                         |
| Purity                      | Protein A purified                                                                                                                                          |
| Buffer                      | 1*TBS (pH7.4), 0.05% BSA and 40% Glycerol                                                                                                                   |
| Target Molecular Weight     | 30 kDa                                                                                                                                                      |
| Product Description         |                                                                                                                                                             |
| Host                        | Rabbit                                                                                                                                                      |
| Gene ID                     | 8192                                                                                                                                                        |
| Gene Symbol                 | CLPP                                                                                                                                                        |
| Species                     | Human, Mouse, Rat                                                                                                                                           |
| Immunogen                   | Synthetic peptide within Human CLPP aa 228-277 / 277. (Uniprot: Q16740)                                                                                     |
| Product Application Details |                                                                                                                                                             |
| Applications                | Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry                                  |
| Recommended Dilutions       | Western Blot 1:1000, Flow Cytometry 1:500-1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:1000 |



## Images

**Western Blot: CLPP Antibody (JE40-00) [NBP3-32195]** - Western blot analysis of CLPP on different lysates with Rabbit anti-CLPP antibody (NBP3-32195) at 1/1,000 dilution.

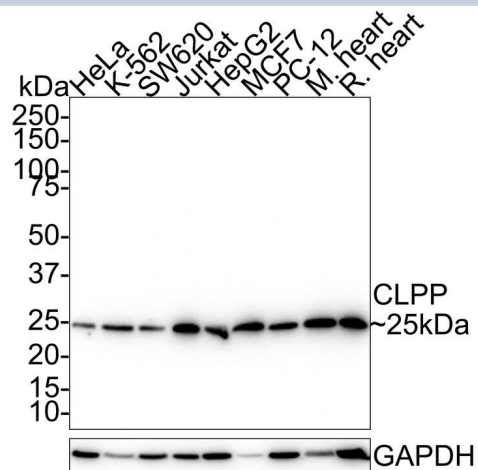
Lane 1: HeLa cell lysate (20 ug/Lane)  
 Lane 2: K-562 cell lysate (20 ug/Lane)  
 Lane 3: SW620 cell lysate (20 ug/Lane)  
 Lane 4: Jurkat cell lysate (20 ug/Lane)  
 Lane 5: HepG2 cell lysate (20 ug/Lane)  
 Lane 6: MCF7 cell lysate (20 ug/Lane)  
 Lane 7: PC-12 cell lysate (20 ug/Lane)  
 Lane 8: Mouse heart tissue lysate (40 ug/Lane)  
 Lane 9: Rat heart tissue lysate (39 ug/Lane)

Predicted band size: 30 kDa  
 Observed band size: 25 kDa

Exposure time: 1 minute 55 seconds;

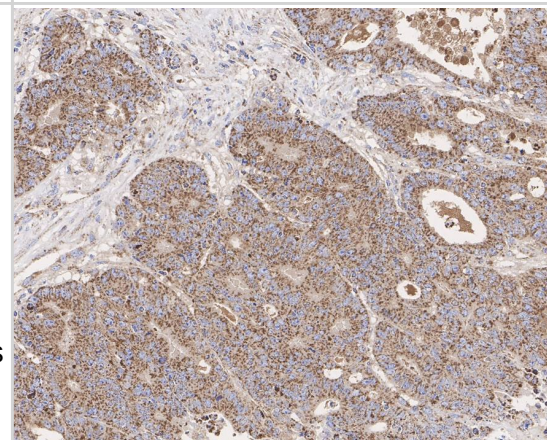
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32195) at 1/1,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:100,000 dilution was used for 1 hour at room temperature.



**Immunohistochemistry: CLPP Antibody (JE40-00) [NBP3-32195]** - Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue with Rabbit anti-CLPP antibody (NBP3-32195) at 1/1,000 dilution.

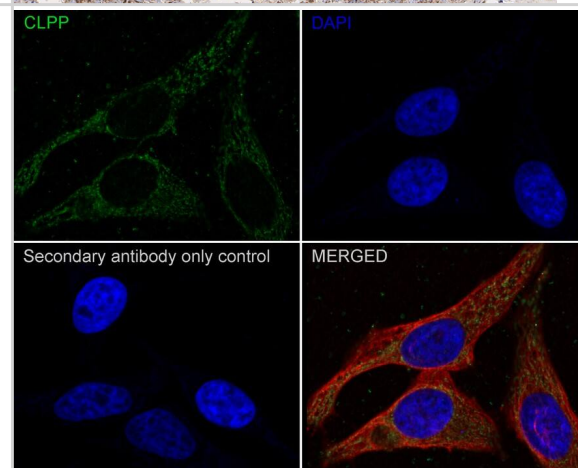
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (NBP3-32195) at 1/1,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



**Immunocytochemistry/ Immunofluorescence: CLPP Antibody (JE40-00) [NBP3-32195]** - Immunocytochemistry analysis of HeLa cells labeling CLPP with Rabbit anti-CLPP antibody (NBP3-32195) at 1/100 dilution.

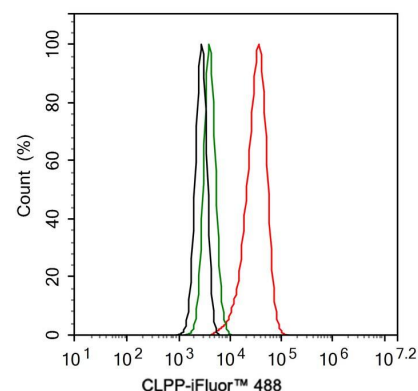
Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-CLPP antibody (NBP3-32195) at 1/100 dilution in 1% BSA in PBST overnight at 4°C. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.

Beta tubulin (red) was stained at 1/100 dilution overnight at +4°C. Goat Anti-Mouse IgG H&L (iFluor™ 594) was used as the secondary antibody at 1/1,000 dilution.



# Flow Cytometry: CLPP Antibody (JE40-00) [NBP3-32195] - Flow cytometric analysis of HeLa cells labeling CLPP.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32195, 1ug/ml) (red) compared with Rabbit IgG Isotype Control (green). After incubation of the primary antibody at +4°C for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4°C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP3-32195**

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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                          |
| NBP1-72319-50ug | Recombinant Human CLPP Protein                      |

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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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