

# Product Datasheet

## Perilipin-3/TIP47 Antibody - BSA Free NBP1-87871

Unit Size: 0.1 ml

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

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**Reviews: 1 Publications: 3**

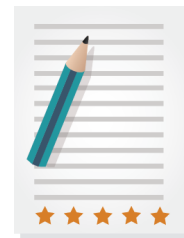
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**NBP1-87871**

Perilipin-3/TIP47 Antibody - BSA Free

**Product Information**

|                      |                                                                                                                  |
|----------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Unit Size</b>     | 0.1 ml                                                                                                           |
| <b>Concentration</b> | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| <b>Storage</b>       | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.                           |
| <b>Clonality</b>     | Polyclonal                                                                                                       |
| <b>Preservative</b>  | 0.02% Sodium Azide                                                                                               |
| <b>Isotype</b>       | IgG                                                                                                              |
| <b>Purity</b>        | Immunogen affinity purified                                                                                      |
| <b>Buffer</b>        | PBS (pH 7.2) and 40% Glycerol                                                                                    |

**Product Description**

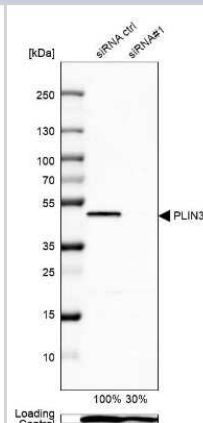
|                    |                                                                                                                                                                                                                                    |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Host</b>        | Rabbit                                                                                                                                                                                                                             |
| <b>Gene ID</b>     | 10226                                                                                                                                                                                                                              |
| <b>Gene Symbol</b> | PLIN3                                                                                                                                                                                                                              |
| <b>Species</b>     | Human                                                                                                                                                                                                                              |
| <b>Immunogen</b>   | This antibody was developed against Recombinant Protein corresponding to amino acids:<br>SLGKLRA TKQRAQEALLQLSQALSLMETVKQGV DQKLVEGQEKLHQM WLSW<br>NQKQLQGPEKEPPKPEQVESRAL TMFRDIAQQLQATCTSLGSSIQGLPTNVKD<br>QVQQARRQVEDLQATFSSIHS |

**Product Application Details**

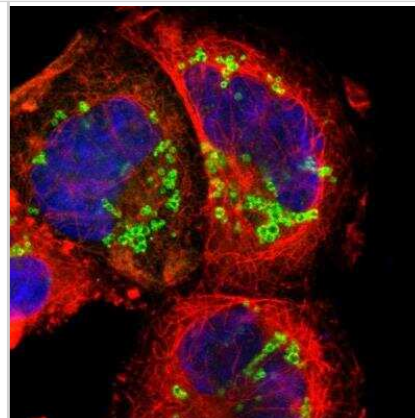
|                              |                                                                                                                                                                                             |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>          | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated                                                             |
| <b>Recommended Dilutions</b> | Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000, Knockdown Validated |
| <b>Application Notes</b>     | For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.                                                                               |

**Images**

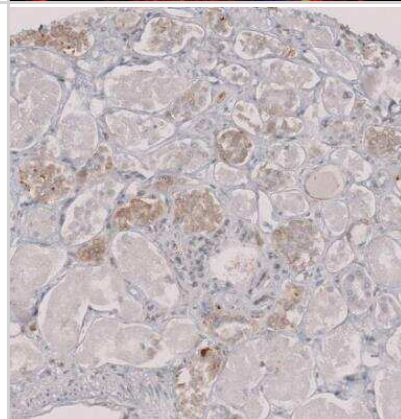
Western Blot: Perilipin-3/TIP47 Antibody [NBP1-87871] - Analysis in U-87MG ATCC cells transfected with control siRNA, target specific siRNA probe #1,. Remaining relative intensity is presented. Loading control: Anti-PPIB.



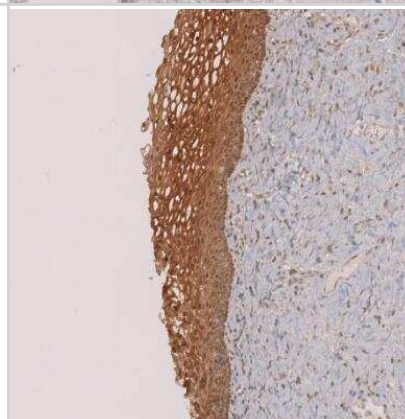
Immunocytochemistry/Immunofluorescence: Perilipin-3/TIP47 Antibody [NBP1-87871] - Staining of human cell line A-431 shows positivity in vesicles. Antibody staining is shown in green.



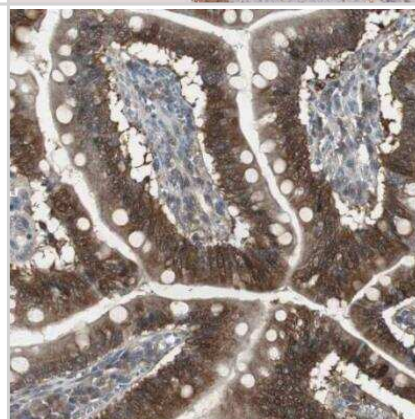
Immunohistochemistry-Paraffin: Perilipin-3/TIP47 Antibody [NBP1-87871] - Staining of human kidney shows moderate cytoplasmic positivity in cells in tubules.



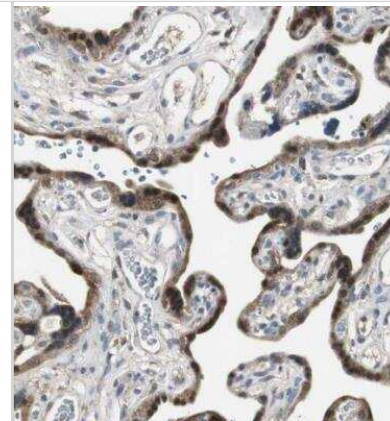
Immunohistochemistry-Paraffin: Perilipin-3/TIP47 Antibody [NBP1-87871] - Staining of human cervix shows strong cytoplasmic positivity in squamous epithelial cells.



Immunohistochemistry-Paraffin: Perilipin-3/TIP47 Antibody [NBP1-87871] - Staining of human small intestine shows strong cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: Perilipin-3/TIP47 Antibody [NBP1-87871] - Staining of human placenta shows strong cytoplasmic positivity in trophoblastic cells.



## Publications

McLelland GL, Lee SA, McBride HM, Fon EA. Syntaxin-17 delivers PINK1/parkin-dependent mitochondrial vesicles to the endolysosomal system J. Cell Biol. 2016-08-01 [PMID: 27458136]

Vogt DA, Camus G, Herker E et al. Lipid Droplet-Binding Protein TIP47 Regulates Hepatitis C Virus RNA Replication through Interaction with the Viral NS5A Protein. PLoS Pathog 2013-01-01 [PMID: 23593007] (ICC/IF)

Ioannou MS, Bell ES, Girard M et al. DENND2B activates Rab13 at the leading edge of migrating cells and promotes metastatic behavior J. Cell Biol. 2015-03-02 [PMID: 25713415] (ICC/IF, Human)



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### **Products Related to NBP1-87871**

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|               |                                                     |
|---------------|-----------------------------------------------------|
| NBP1-87871PEP | Perilipin-3/TIP47 Recombinant Protein Antigen       |
| 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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