

# Product Datasheet

## Calsequestrin 2 Antibody (PSH03-16) NBP3-32102

Unit Size: 100 ul

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

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**NBP3-32102****Calsequestrin 2 Antibody (PSH03-16)**

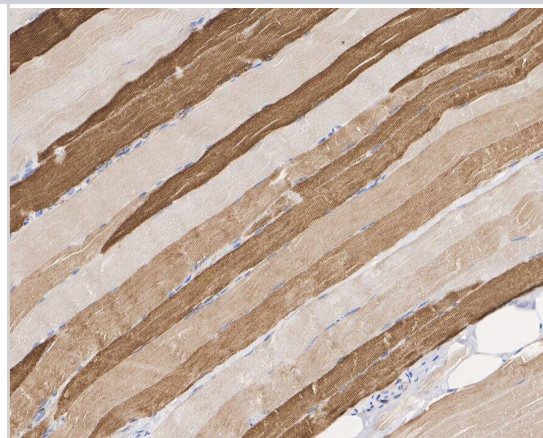
| <b>Product Information</b>         |                                                                                          |
|------------------------------------|------------------------------------------------------------------------------------------|
| <b>Unit Size</b>                   | 100 ul                                                                                   |
| <b>Concentration</b>               | 1 mg/ml                                                                                  |
| <b>Storage</b>                     | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.   |
| <b>Clonality</b>                   | Monoclonal                                                                               |
| <b>Clone</b>                       | PSH03-16                                                                                 |
| <b>Preservative</b>                | 0.05% Sodium Azide                                                                       |
| <b>Isotype</b>                     | IgG                                                                                      |
| <b>Purity</b>                      | Protein A purified                                                                       |
| <b>Buffer</b>                      | PBS (pH7.4), 0.1% BSA and 40% Glycerol                                                   |
| <b>Target Molecular Weight</b>     | 46 kDa                                                                                   |
| <b>Product Description</b>         |                                                                                          |
| <b>Host</b>                        | Rabbit                                                                                   |
| <b>Gene ID</b>                     | 845                                                                                      |
| <b>Gene Symbol</b>                 | CASQ2                                                                                    |
| <b>Species</b>                     | Human, Mouse, Rat                                                                        |
| <b>Immunogen</b>                   | Recombinant protein within human Calsequestrin 2 aa 1-399 / 399. (Uniprot: O14958)       |
| <b>Product Application Details</b> |                                                                                          |
| <b>Applications</b>                | Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry                        |
| <b>Recommended Dilutions</b>       | Western Blot 1:2000-1:10000, Immunohistochemistry, Immunohistochemistry-Paraffin 1:10000 |



## Images

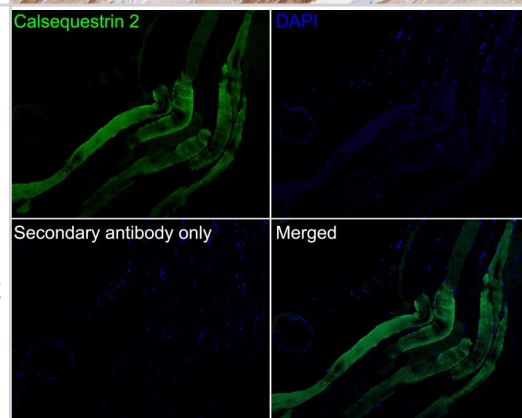
**Immunohistochemistry: Calsequestrin 2 Antibody (PSH03-16) [NBP3-32102]** - Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue with Rabbit anti-Calsequestrin 2 antibody (NBP3-32102) at 1/1,000 dilution.

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 (NBP3-32102) 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.



**Immunohistochemistry: Calsequestrin 2 Antibody (PSH03-16) [NBP3-32102]** - Immunofluorescence analysis of paraffin-embedded human skeletal muscle tissue labeling Calsequestrin 2 with Rabbit anti-Calsequestrin 2 antibody (NBP3-32102) at 1/500 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 10% negative goat serum for 1 hour at room temperature, washed with PBS, and then probed with the primary antibody (NBP3-32102, green) at 1/500 dilution overnight at 4 °C, washed with PBS. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. Nuclei were counterstained with DAPI (blue).



**Western Blot: Calsequestrin 2 Antibody (PSH03-16) [NBP3-32102]** - Western blot analysis of Calsequestrin 2 on different lysates with Rabbit anti-Calsequestrin 2 antibody (NBP3-32102) at 1/10,000 dilution.

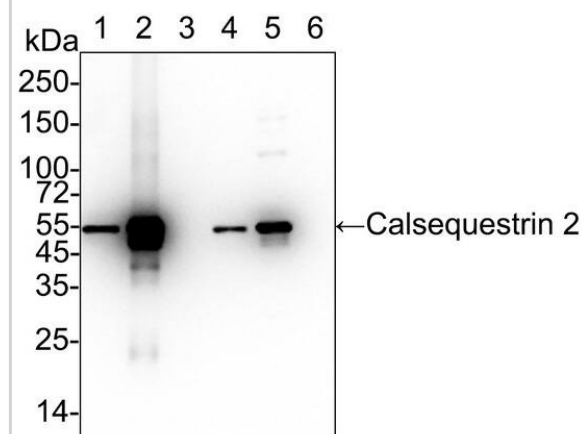
Lane 1: Mouse skeletal muscle tissue lysate (15 µg/Lane)  
 Lane 2: Mouse heart tissue lysate (15 µg/Lane)  
 Lane 3: Mouse brain tissue lysate (negative) (15 µg/Lane)  
 Lane 4: Rat skeletal muscle tissue lysate (15 µg/Lane)  
 Lane 5: Rat heart tissue lysate (15 µg/Lane)  
 Lane 6: Rat brain tissue lysate (negative) (15 µg/Lane)

Predicted band size: 46 kDa  
 Observed band size: 55 kDa

Exposure time: 1 minute 2 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 at 1/10,000 dilution was used in 5% NFDM/TBST at 4 °C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.





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### **Products Related to NBP3-32102**

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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                          |
| NBP1-41229 | Recombinant Human Calsequestrin 2 His 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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