

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)

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	PSH03-16
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	46 kDa

Product Description	
Description	Novus Biologicals Rabbit Calsequestrin 2 Antibody (PSH03-16) (NBP3-32102) is a recombinant monoclonal antibody validated for use in IHC and WB. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	845
Gene Symbol	CASQ2
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within human Calsequestrin 2 aa 1-399 / 399. (Uniprot: O14958)

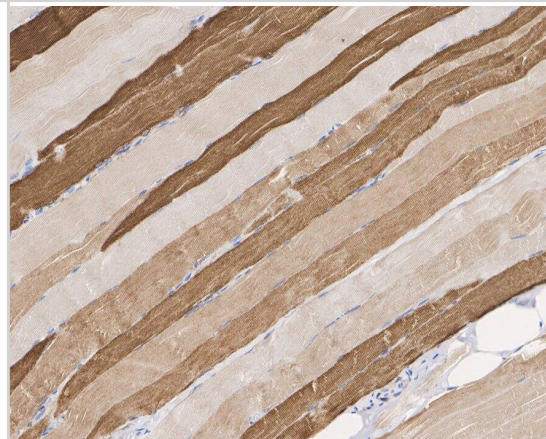
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunohistochemistry, Immunohistochemistry-Paraffin 1:10000



Images

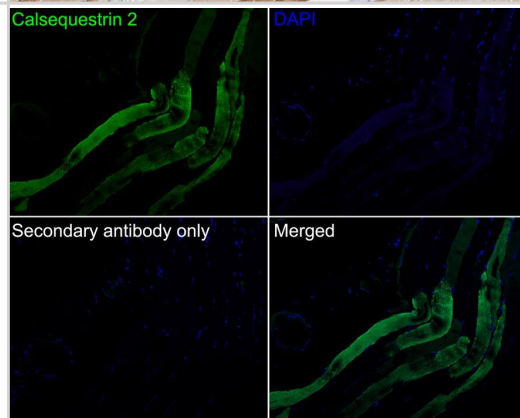
Immunohistochemistry: Calsequestrin 2 Antibody (PSH03-16) [NBP3-32102] - Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue with Rabbit anti-Calsequestrin 2 antibody (NBP3-32102) at 1/1,000 dilution.

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 ddH₂O 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.

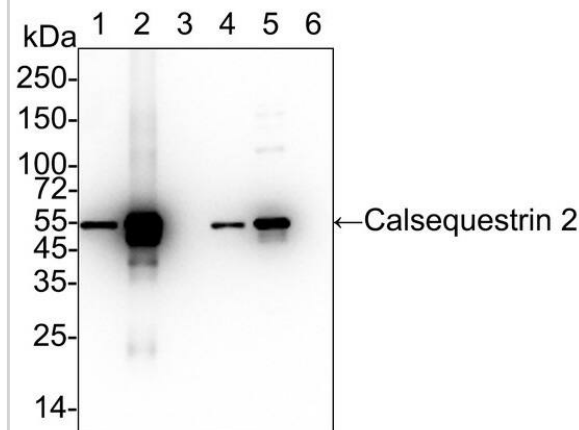
Lane 1: Mouse skeletal muscle tissue lysate (15 µg/Lane)
 Lane 2: Mouse heart tissue lysate (15 µg/Lane)
 Lane 3: Mouse brain tissue lysate (negative) (15 µg/Lane)
 Lane 4: Rat skeletal muscle tissue lysate (15 µg/Lane)
 Lane 5: Rat heart tissue lysate (15 µg/Lane)
 Lane 6: Rat brain tissue lysate (negative)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

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

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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