Product Datasheet

AlphaB Crystallin/CRYAB Antibody - BSA Free NB100-2519SS

Unit Size: 0.025 ml

Store at 4C. Do not freeze.

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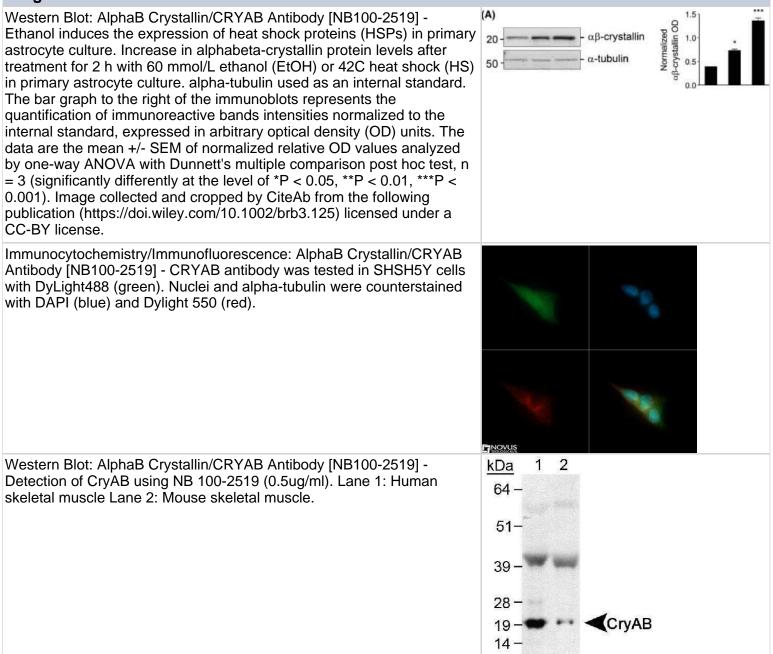
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Images



Publications

Shaw A, TOth B, Arianti R Et al. BMP7 increases UCP1-dependent and independent thermogenesis with a unique gene expression program in human neck area derived adipocytes Pharmaceuticals 2021-09-28 [PMID: 34832860]

Chen AT, Xiao Y, Tang X et al. Cross-platform analysis reveals cellular and molecular landscape of glioblastoma invasion Neuro-oncology 2022-07-28 [PMID: 35901838]

Pignataro L, Varodayan FP, Tannenholz LE et al. Brief alcohol exposure alters transcription in astrocytes via the heat shock pathway. Brain Behav. 2013-03-01 [PMID: 23533150] (ICC/IF, Mouse)

Liu L, Qi X, Chen Z et al. Targeting the IRE1alpha/XBP1 and ATF6 Arms of the Unfolded Protein Response Enhances VEGF Blockade to Prevent Retinal and Choroidal Neovascularization. Am J Pathol 2013-02-07 [PMID: 23395094]

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Procedures

Protocol specific for Crystallin AB Antibody (NB100-2519) AlphaB Crystallin/CRYAB Antibody: Western Blot Protocol

1. Perform SDS-PAGE (4-12%, Bis-Tris) on samples to be analyzed, loading 40 ug of total protein per lane.

2. Transfer proteins to Nitrocellulose according to the instructions provided by the manufacturer of the transfer apparatus.

3. Rinse membrane with dH2O and then stain the blot using ponceau S for 1-2 minutes to access the transfer of proteins onto the nitrocellulose membrane. Rinse the blot in water to remove excess stain and mark the lane locations and locations of molecular weight markers using a pencil.

4. Rinse the blot in TBS for approximately 5 minutes.

5. Block the membrane using 5% non-fat dry milk + 1% BSA in TBS, overnight at 4 degrees Celsius.

6. Rinse the membrane in dH2O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.

7. Dilute the rabbit anti-crystallin AB primary antibody (NB 100-2519) in blocking buffer and incubate 1 hour at room temperature.

8. Rinse the membrane in dH2O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.

9. Apply the diluted rabbit-IgG HRP-conjugated secondary antibody in blocking buffer (as per manufacturer's instructions) and incubate 1 hour at room temperature.

10. Wash the blot in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each (this step can be repeated as required to reduce background).

11. Apply the detection reagent of choice in accordance with the manufacturer's instructions (Pierce's ECL).

Note: Tween-20 can be added to the blocking or antibody dilution buffer at a final concentration of 0.05-0.2%, provided it does not interfere with antibody-antigen binding.





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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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