

Product Datasheet

HeLa Chloroquine Treated / Untreated Cell Lysate NBP2-49689

Unit Size: 2 Vials

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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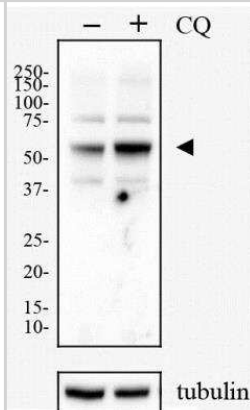
NBP2-49689

HeLa Chloroquine Treated / Untreated Cell Lysate

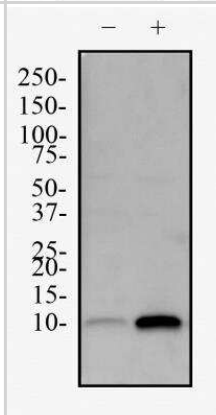
Product Information	
Unit Size	2 Vials
Concentration	1.0 mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Buffer	The protein lysate is prepared in 1x Laemmli sample buffer with BME. Boiling before loading is not necessary.
Product Description	
Description	NBP2-49689 contains 1 vial each of 0.1ml of HeLa Chloroquine treated and 0.1ml of HeLa untreated cell lysate. This lysate set is useful as a positive and negative controls for targets such as LC3, p62 etc. and the researchers should use anti-Human primary antibodies when working with these lysates.
Species	Human
Marker	Autophagy/LC3 Positive Control
Preparation Method	HeLa cells were cultured under standard laboratory conditions until semi-confluent (70-80%). The cells were then treated with or without Chloroquine to 50 uM for 24 hours. The cells were washed in PBS and directly lysed into 1X Laemmli sample buffer containing BME. Each lysate is sonicated and boiled before being tested in Western blot for reactivity to LC3. Tubulin reactivity in each lysate is shown as a loading control.
Kit Components	0.1 ml HeLa Chloroquine treated whole cell lysate, 0.1 ml HeLa untreated whole cell lysate
Lysate Type	Cell
Lysate Tissue	Cervix
Lysate Subcellular Fraction	Chloroquine Treated / Untreated
Product Application Details	
Applications	Western Blot, SDS-Page
Recommended Dilutions	Western Blot, SDS-Page
Application Notes	HeLa Chloroquine treated / untreated whole cell lysates are provided as positive and negative control for Western blot analysis in Autophagy research. The lysates are provided as one vial of treated and one vial of untreated samples. Use 10 ul per lane for a standard mini-gel blot (approx. 1 mg/ml).

Images

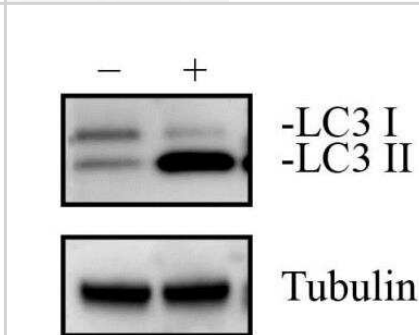
Western Blot: HeLa Chloroquine Treated / Untreated Cell Lysate [NBP2-49689] - HeLa cells were treated with (+) or without 50 μ M (-) of Chloroquine (CQ) for 24 hours. Total cell lysates were prepared and separated on a 12% gel by SDS-PAGE. Protein was transferred to PVDF membrane and blocked in 5% non-fat milk. The membrane was then probed with 2 μ g/ml of p62/SQSTM1 antibody (NBP1-42821) in 1% milk and detected with an anti-rabbit HRP secondary antibody using chemiluminescence. Note the upregulation of p62 (arrowhead) in response to chloroquine treatment and the blockage of autophagy.



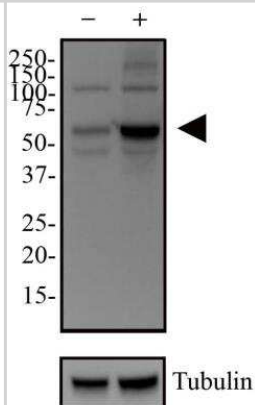
Western Blot: HeLa Chloroquine Treated / Untreated Cell Lysate [NBP2-49689] - 10 μ g of Chloroquine treated (+) and untreated (-) HeLa lysates in 1x Laemmli sample buffer (NBP2-49689) were separated on a 4-15% gel by SDS-PAGE, transferred to 0.2 μ m PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 1 μ g/ml monoclonal anti-LC3 (NBP2--46892) and detected with an anti-rabbit secondary antibody using chemiluminescence.



Western Blot: HeLa Chloroquine Treated / Untreated Cell Lysate [NBP2-49689] - Human Cervical carcinoma cells (HeLa) were treated with (+) and without (-) 50 μ M Chloroquine overnight. Whole cell protein lysates were prepared in 1x Laemmli sample buffer and approximately 10 μ g of each lysate (NBP2-49689) was separated on a 4-15% gel by SDS-PAGE, transferred to 0.2 μ m PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 1 μ g/ml anti-LC3 (NB100-2220) and 1 μ g/ml anti-alpha tubulin (NB100-690) as a loading control, and detected with the appropriate secondary antibodies using chemiluminescence.



Western Blot: HeLa Chloroquine Treated / Untreated Cell Lysate [NBP2-49689] - HeLa cells were treated with vehicle (-) or with 50 μ M chloroquine (+) for 24 hours and the total cell lysates were prepared. The lysates were separated on a 12% gel by SDS-PAGE. Protein was transferred to PVDF membrane and blocked in 5% non-fat milk. The membrane was then probed with 1 μ g/ml of p62/SQSTM1 antibody (NBP1-48320) in 1% milk and detected with an anti-rabbit HRP secondary antibody using chemiluminescence. Note the upregulation of p62 (arrowhead) in response to chloroquine treatment and the blockage of autophagy.





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Lysates are guaranteed for 6 months from date of receipt.

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