Product Datasheet

HeLa Chloroquine Treated / Untreated Cell Lysate
NBP2-49689

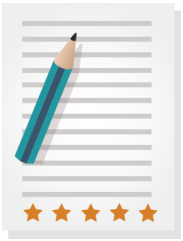
Unit Size: 2 Vials

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

www.novusbio.com technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-49689

Updated 10/23/2024 v.20.1



NBP2-49689

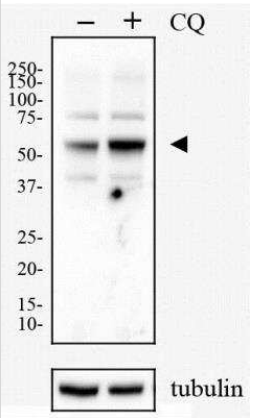
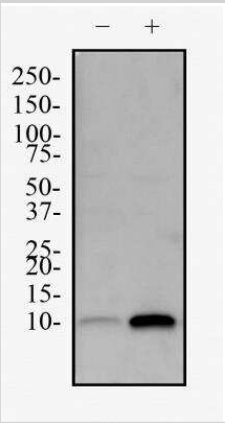
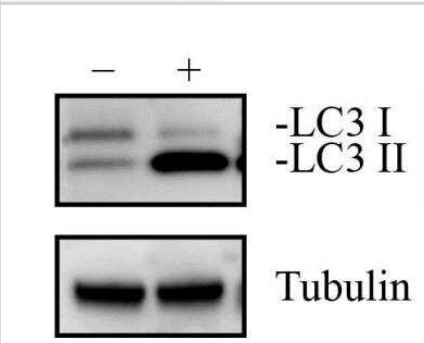
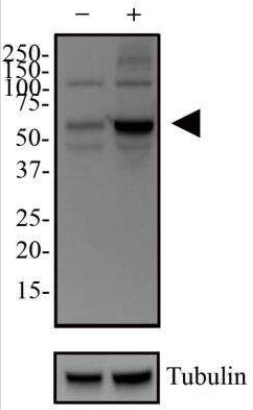
HeLa Chloroquine Treated / Untreated Cell Lysate

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 uM (-) of Chloriquine (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 ug/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 ug 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 um PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 1 ug/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 uM Chloroquine overnight. Whole cell protein lysates were prepared in 1x Laemmli sample buffer and approximately 10 ug of each lysate (NBP2-49689) was separated on a 4-15% gel by SDS-PAGE, transferred to 0.2 um PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 1 ug/ml anti-LC3 (NB100-2220) and 1 ug/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 uM chloriquine (+) 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 mebbrane and blocked in 5% non-fat milk. The membrane was then probed with 1 ug/ml of p62/SQSTM1 antibody (NBP1-48320) in 1% milk and dectected 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.	

Novus Biologicals USA
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information
www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-49689

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications