

Product Datasheet

Neuro2a Chloroquine Treated / Untreated Cell Lysate NBP2-49688

Unit Size: 2 Vials

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

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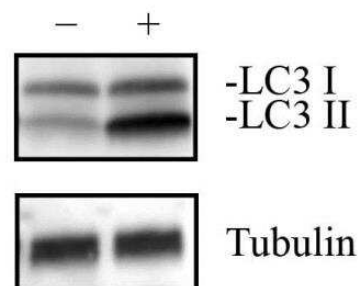


NBP2-49688**Neuro2a Chloroquine Treated / Untreated Cell Lysate**

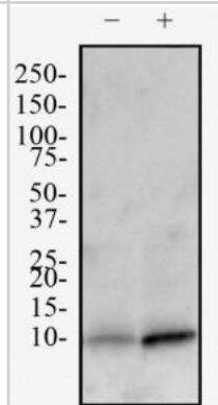
Product Information	
Unit Size	2 Vials
Concentration	1.0 mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Buffer	1X Laemmli Sample Buffer [31.5 mM Tris HCl, 1% SDS, 10% Glycerol, 0.005% bromophenol blue, pH 6.8]
Product Description	
Description	NBP2-49688 contains 1 vial each of 0.1ml of Neuro2a Chloroquine treated and 0.1ml of Neuro2a untreated cell lysate. This lysate set is useful as a positive and negative controls for targets such as LC3, p62 etc. The researchers should use anti-mouse primary antibodies when working with these lysates.
Species	Mouse
Marker	Autophagy/LC3 Positive Control
Preparation Method	Neuro2A cells were cultured under standard laboratory condition 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 Neuro2a Chloroquine treated whole cell lysate, 0.1 ml Neuro2a untreated whole cell lysate
Lysate Type	Cell
Lysate Tissue	Brain
Lysate Subcellular Fraction	Chloroquine Treated / Untreated
Product Application Details	
Applications	Western Blot, SDS-Page
Recommended Dilutions	Western Blot, SDS-Page
Application Notes	Neuro2a Chloroquine treated / untreated 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: Neuro2a Chloroquine Treated / Untreated Cell Lysate [NBP2-49688] - Mouse Neuroblast cells (Neuro2A) 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 (NBP2-49688) 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: Neuro2a Chloroquine Treated / Untreated Cell Lysate [NBP2-49688] - Western Blot: [NBP2-49688] - 10 ug of Chloroquine treated (+) and untreated (-) Neuro2A lysates in 1x Laemmli sample buffer (NBP2-49688) 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.



Publications

Cachon-Gonzalez Mb, Wang S, Cox Tm Expression of Ripk1 and DAM genes correlates with severity and progression of Krabbe disease Human molecular genetics 2021-06-25 [PMID: 34172992] (WB)



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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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