

LC3B Polyclonal Antibody, DyLight™ 488

Product Details

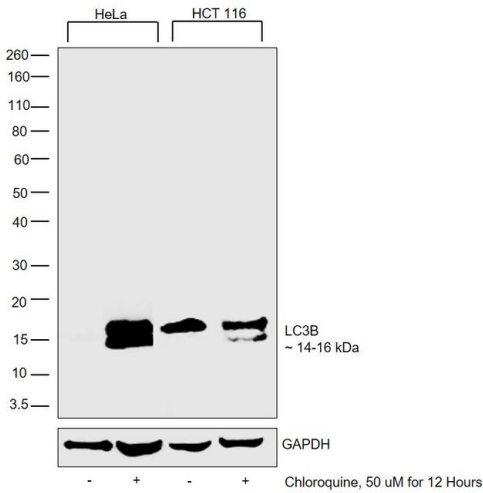
Size	100 µL
Species Reactivity	Bacteria, Bovine, Dog, Human, Mouse, Non-human primate, Pig, Rat, Yeast, Zebrafish
Published Species	Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	DyLight™ 488
Excitation/Emission Max	492/519 nm
Immunogen	Synthetic peptide made to the N-terminal region of the human LC3B protein.
Form	Liquid
Concentration	0.82 mg/mL
Amount	82 µg
Purification	Antigen affinity chromatography
Storage buffer	50mM sodium borate
Contains	0.05% sodium azide
Storage conditions	4°C, store in dark
RRID	AB_11153644

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:3,000	-
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	Assay-Dependent	-
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	-
Immunohistochemistry - Free Floating (IHC (Free))	Assay-dependent	-
Immunocytochemistry (ICC/IF)	1:2,000	-
Flow Cytometry (Flow)	Assay-Dependent	-
Immunoprecipitation (IP)	Assay-dependent	-
Immunomicroscopy (IM)	Assay-dependent	-

Product Images For LC3B Polyclonal Antibody, DyLight™ 488

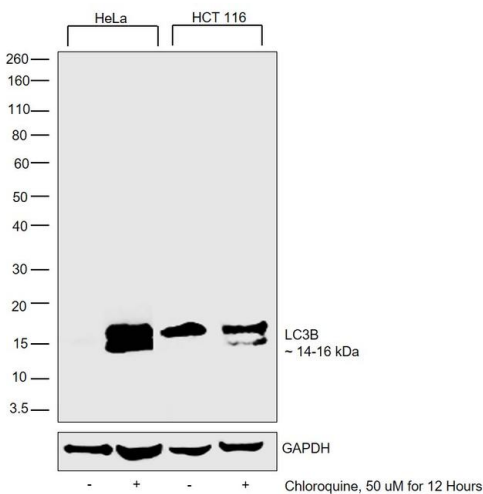
LC3B Antibody (PA5-22938)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using Anti-LC3B Rabbit Polyclonal Antibody (Product # PA5-22938), shows induced expression in HeLa and HCT 116 cells upon Chloroquine treatment. {TM}



LC3B Antibody (PA5-22938) in WB

Western blot was performed using Anti-LC3B Rabbit Polyclonal Antibody (Product # PA5-22938) and 14-16 kDa bands corresponding to LC3B were observed across cell lines tested. Whole cell extracts (30 µg lysate) of HeLa (Lane 1), HeLa treated with Chloroquine (50uM for 12 Hours) (Lane 2), HCT 116 (Lane 3) and HCT 116 treated with Chloroquine (50uM for 12 Hours) (Lane 4) were electrophoresed using Novex® NuPAGE® 12 % Bis-Tris gel (Product # NP0342BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product #) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



1 Reference

Immunohistochemistry (1)

Neuropathology : official journal of the Japanese Society of Neuropathology

Metformin exacerbates and simvastatin attenuates myelin damage in high fat diet-fed C57BL/6 J mice.

"PA5-22938 was used in Flow Cytometry, Immunocytochemistry, Immunohistochemistry (Frozen), Immunohistochemistry (Paraffin), Western Blot to investigate the effects of metformin and simvastatin on the ultrastructural characteristics of sciatic nerve fibers in mice leading to diabetic neuropathy."

Authors: Ciric D, Martinovic T, Petricevic S, Trajkovic V, Bumbasirevic V, Kravic-Stevovic T

Year
2018

Species
Mouse

Dilution
1:2000

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