

LC3A/LC3B Polyclonal Antibody, DyLight 488

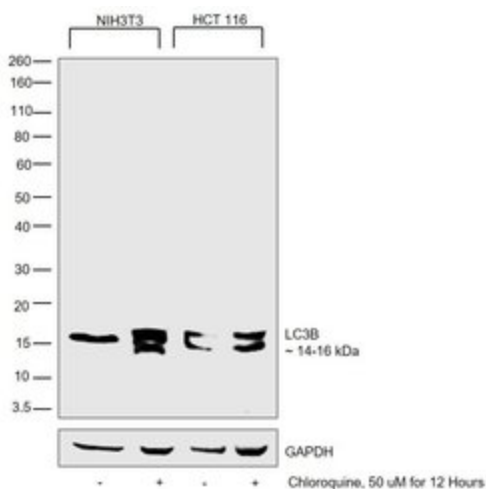
Product Details	
Size	100 µL
Species Reactivity	Dog, Human, Mouse, Rat, Zebrafish
Published Species	Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	DyLight® 488
Immunogen	A synthetic peptide made to an internal portion of the human LC3 protein sequence (between residues 25-121).
Form	Liquid
Concentration	0.92 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	50mM sodium borate
Contains	0.05% sodium azide
Storage Conditions	4° C, store in dark
RRID	AB_11154120

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1000	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:200-1:400	-
Immunoprecipitation (IP)	20 µg/500 µg of protein	-

Product Specific Information

The target sequence has 100% sequence homology with xenopus, bovine and zebrafish.

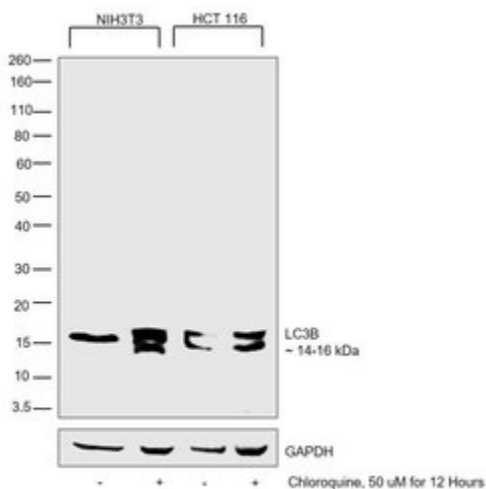
Advanced Verification Data



LC3A/LC3B Antibody (PA5-22731)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using Anti-LC3A/LC3B Rabbit Polyclonal Antibody (Product # PA5-22731), shows induced expression in NIH3T3 and HCT 116 cells upon Chloroquine treatment. Cell treatment validation info.

Product Images For LC3A/LC3B Polyclonal Antibody, DyLight 488



LC3A/LC3B Antibody (PA5-22731) in WB

Western blot was performed using Anti-LC3A/LC3B Rabbit Polyclonal Antibody (Product # PA5-22731) and 14-16 kDa bands corresponding to LC3B were observed across cell lines tested and increased upon Chloroquine treatment. Whole cell extracts (30 µg lysate) of NIH3T3 (Lane 1), NIH3T3 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 (1µg/mL) and detected by chemiluminescence with Goat anti-Rabbit IgG (H+L) 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).

Western Blot (1)

Oncotarget

Deficiency of AMPK in CD8+ T cells suppresses their anti-tumor function by inducing protein phosphatase-mediated cell death.

"PA5-22731 was used in western blot to report that AMPK regulates protein phosphatase activity to control the of survival and function of CD8+ T cells, thus regulating immune surveillance of tumors."

Authors: Rao E,Zhang Y,Zhu G,Hao J,Persson XM,Egilmez NK,Suttles J,Li B

Species
Mouse

Dilution
Not Cited

Year
2015

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