

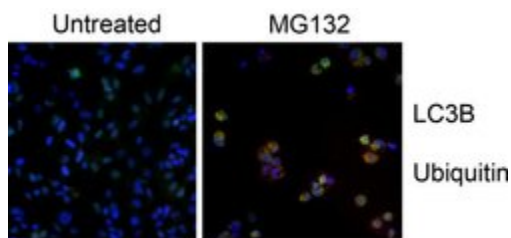
LC3B Polyclonal Antibody

Product Details

Size	100 µL
Species	Bovine, Dog, Human, Mouse, Non-human primate, Pig, Rat, Zebrafish
Published Species	Rat
Expression System	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	N-terminal region of the human LC3, isoform B protein.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS
Contains	0.02% sodium azide
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2234770

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1:200	-
Immunocytochemistry (ICC)	0.1-2 µg/mL	2 Publications
Immunofluorescence (IF)	0.1-2 µg/mL	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	1:400	-
Immunohistochemistry (Paraffin) (IHC (P))	1:200-1:400	-
Immunomicroscopy (IM)	Assay-Dependent	-
Western Blot (WB)	1:1000	3 Publications

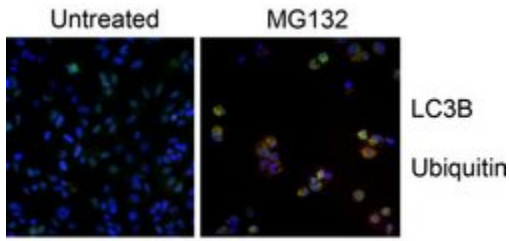
Advanced Verification Data



LC3B Antibody (PA1-46286)

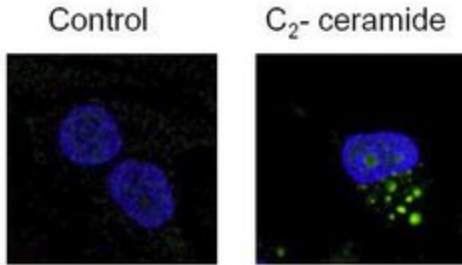
Modulation of target protein by cell treatment demonstrates antibody specificity. Immunofluorescence analysis of LC3B using Anti-LC3B antibody (Product # PA1-46286) shows induced cytoplasmic expression of LC3B in HepG2 upon MG132 treatment. Cell treatment validation info.

Product Images For LC3B Polyclonal Antibody



LC3B Antibody (PA1-46286) in IF

LC3B and ubiquitin were detected in HepG2 cells by indirect immunofluorescence. Cells were plated in triplicate in 96 well plates overnight and then treated with vehicle (DMSO) or 20 mM MG132 for 24 hrs. The secondary antibody used was conjugated with either DyLight™ 549 or DyLight™ 488. After treatment with MG132 we see an increased cytoplasmic staining of LC3B and Ubiquitin. The increased cytoplasmic staining of LC3B and ubiquitin was used to calculate the Z' scores. Z' score for LC3B activation 0.60 ± 0.10 and for Ubiquitin is 0.57 ± 0.02 .



LC3B Antibody (PA1-46286) in IF

Immunofluorescent staining of treated U373-MG cells using Product # PA1-46286. The nuclei were stained with DAPI.

[View more figures on thermofisher.com](https://www.thermofisher.com)

6 References

Immunocytochemistry (2)

Scientific reports

STF-62247 and pimozide induce autophagy and autophagic cell death in mouse embryonic fibroblasts.

"Published figure using LC3B polyclonal antibody (Product # PA1-46286) in Immunofluorescence"

Authors: Kinzler MN,Zielke S,Kardo S,Meyer N,Kögel D,van Wijk SJL,Fulda S

Species

Not Applicable

Dilution

Not Cited

Year

2020

International journal of oncology

Lidocaine induces protective autophagy in rat C6 glioma cell line.

"PA1-46286 was used in Immunocytochemistry-immunofluorescence to study the effects of lidocaine on the C6 rat glioma cell line."

Authors: Izdebska M,Haas-Winiewska M,Zieliska W,Klimaszewska-Winiewska A,Grzanka D,Gagat M

Species

Rat

Dilution

1:2000

Year

2019

Immunofluorescence (1)

Scientific reports

STF-62247 and pimozide induce autophagy and autophagic cell death in mouse embryonic fibroblasts.

"Published figure using LC3B polyclonal antibody (Product # PA1-46286) in Immunofluorescence"

Authors: Kinzler MN,Zielke S,Kardo S,Meyer N,Kögel D,van Wijk SJL,Fulda S

Species

Not Applicable

Dilution

Not Cited

Year

2020

Western Blot (3)

Scientific reports

STF-62247 and pimozide induce autophagy and autophagic cell death in mouse embryonic fibroblasts.

"Published figure using LC3B polyclonal antibody (Product # PA1-46286) in Immunofluorescence"

Authors: Kinzler MN,Zielke S,Kardo S,Meyer N,Kögel D,van Wijk SJL,Fulda S

Species

Not Applicable

Dilution

Not Cited

Year

2020

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