

Product Datasheet

LC3B Antibody [DyLight 488]

NB100-2220G

Unit Size: 0.1 ml

Store at 4C in the dark.

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NB100-2220G

LC3B Antibody [DyLight 488]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Conjugate	DyLight 488
Purity	Immunogen affinity purified
Buffer	50mM Sodium Borate
Target Molecular Weight	14.688 kDa
Product Description	
Host	Rabbit
Gene ID	81631
Gene Symbol	MAP1LC3B
Species	Human, Mouse, Rat, Porcine, Alligator, Avian, Bacteria, Bovine, Canine, Chicken, Chinese Hamster, Guinea Pig, Hamster, Invertebrate, Monkey, Primate, Rabbit, Golden Syrian Hamster, Zebrafish
Reactivity Notes	Use in Rat reported in scientific literature (PMID:34622072). Use in Chinese Hamster reported in scientific literature (PMID:34332287). Mouse reactivity reported in scientific literature (PMID:32814898). Bovine reactivity reported in scientific literature (PMID: 24895572). Primate reactivity reported in scientific literature (PMID: 25142602). Canine reactivity reported in scientific literature (PMID: 25839646). Avian reactivity reported in scientific literature (PMID: 29546310). Hamster reactivity reported in scientific literature (PMID: 26423766). Rabbit reactivity reported in scientific literature (PMID: 26497211). The mouse detection has been reported to be weaker than the human. Immunogen displays the following percentage of sequence identity for non-tested species: Xenopus 84%. Invertebrate reactivity reported in scientific literature (PMID: 26716072). Monkey reactivity reported in scientific literature (PMID: 30324853). Guinea pig reactivity reported from a verified customer review. Rat reactivity reported in scientific literature (PMID: 30744518). Bacteria reactivity reported in scientific literature (PMID: 28783414). Chicken reactivity reported in scientific literature (PMID: 30649814). Porcine reactivity reported in scientific literature (PMID: 30789643). Golden Syrian hamster reactivity reported in scientific literature (PMID: 23180219). Zebrafish reactivity reported in scientific literature (PMID: 29185873). Human reactivity reported in scientific literature (PMID:33086573). Use in Alligator reported in scientific literature (PMID:32061056).
Marker	Autophagosome Marker
Immunogen	Polyclonal LC3B Antibody was made to a synthetic peptide made to an N-terminal portion of the human LC3B protein sequence (between residues 1-100). [UniProt# Q9GZQ8]
Notes	DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

Product Application Details

Applications	Western Blot, Simple Western, ELISA, Flow Cytometry, Immunoblotting, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation, SDS-Page, Proximity Ligation Assay, Chromatin Immunoprecipitation (ChIP), Knockdown Validated, Knockout Validated
Recommended Dilutions	Western Blot, Simple Western, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Immunoblotting, Proximity Ligation Assay, SDS-Page, Chromatin Immunoprecipitation (ChIP), Knockout Validated, Knockdown Validated
Application Notes	Optimal dilution of this antibody should be experimentally determined.

Publications

Ershova ES, Savinova EA, Kameneva LV et al. Satellite III (1q12) Copy Number Variation in Cultured Human Skin Fibroblasts from Schizophrenic Patients and Healthy Controls *Frontiers in bioscience (Landmark edition)* 2023-08-31 [PMID: 37664948]

Ershova ES, Savinova EA, Kameneva LV et al. Antipsychotics Affect Satellite III (1q12) Copy Number Variations in the Cultured Human Skin Fibroblasts *International journal of molecular sciences* 2023-07-10 [PMID: 37511043] (FLOW, Human)

Narasimhan PB, Bennuru S, Meng Z et al. Microfilariae of *Brugia malayi* inhibit the mTOR pathway and induce autophagy in human dendritic cells. *Infect. Immun.* 2016-06-16 [PMID: 27297394]

Details:

This publication used the AF647 conjugated form of this antibody (NB100-2220AF647)

Matta SK, Kumar D et al. AKT mediated glycolytic shift regulates autophagy in classically activated macrophages *Int. J. Biochem. Cell Biol.* 2015-07-26 [PMID: 26222186] (ICC/IF, Mouse)





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Products Related to NB100-2220G

NBP2-24891G	Rabbit IgG Isotype Control [DyLight 488]
NB100-2220H	LC3B Antibody [HRP]
NB100-2220PEP	LC3B Antibody Blocking Peptide
NB600-1384PEP	LC3B Antibody Blocking Peptide

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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