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Anti-LC3B Mouse mAb [11A29]

Catalog No.: A32052

Basic Information

Catalog No. (Cat.No.)	A32052
Host species	Mouse
Reactivity	Human,Bovine
Applications	WB,IHC,IF,ELISA
Synonyms	LC3-B,LC3B,MAP1LC3B

Product Information

Target	LC3B
Molecular Weight(Calculated)	14 kDa,16 kDa
Molecular Weight(Observed)	14 kDa,16 kDa
Isotype	NA
Conjugation	NA
Concentration	1 mg/ml
Clonality	Monoclonal
Clone No.	11A29
RRID	NA
Storage buffer	50% Glycerol, 0.5% BSA and 0.02% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:500-1:2000
IHC	1:50-1:300
IF	1:50-1:200
ELISA	1:2000-1:20000

Target Information

Protein Name	Microtubule-associated protein-1 light chain-3 beta
Gene Name	*MAP1LC3B*
Domain	NA
Background	LC3B (Microtubule-associated protein light chain 3B) is the most widely-studied isoform within LC3/GABARAP autophagy family. Soluble LC3B-I resides in cytosol; lipid-modified LC3B-II associates with autophagosome membrane to support autophagosome assembly and serves as autophagosome reporter. Autophagy activation elevates LC3B-II levels, yet autophagic-flux blockage also causes LC3B-II accumulation; flux assays with lysosomal inhibitors are required for correct interpretation.