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Anti-LC3A Rabbit mAb [38G33]

Catalog No.: A52204

Basic Information

Catalog No. (Cat.No.)	A52204
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	LC3-A,LC3A,MAP1LC3A

Product Information

Target	LC3A
Molecular Weight(Calculated)	14 kDa
Molecular Weight(Observed)	16 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	38G33
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% 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	1:1000-1:5000
IHC	1:200-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Microtubule-associated protein-1 light chain-3 alpha
Gene Name	*MAP1LC3A*
Domain	NA
Background	LC3A (Microtubule-associated protein light chain 3A) belongs to LC3/GABARAP autophagy-protein family. Cytosolic soluble LC3A-I undergoes lipidation to produce LC3A-II, which stably inserts into autophagosomal membranes. LC3A drives autophagosome biogenesis and elongation and represents a bona-fide autophagosome marker. Autophagy induction leads to LC3A-II accumulation, while functional autophagic flux mediates LC3A-II turnover in lysosomes.