

Datasheet: MCA6341

BATCH NUMBER 157604

Description:	RABBIT ANTI MAP1LC3B
Specificity:	MAP1LC3B
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RM293
Isotype:	IgG
Quantity:	0.1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin	▪			1/100 - 1/200
Western Blotting	▪			1/100 - 1/200
Immunocytochemistry	▪			1/100 - 1/200

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species

Human

Species Cross Reactivity

Based on sequence similarity, is expected to react with: Mouse, Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Purified IgG prepared by affinity chromatography on Protein A from animal origin-free culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative	0.09% Sodium Azide
Stabilisers	1% Bovine Serum Albumin 50% Glycerol
Immunogen	A peptide corresponding to the N-terminus of human MAP1LC3
External Database Links	<p>UniProt: Q9GZQ8 Related reagents</p> <p>Entrez Gene: 81631 MAP1LC3B Related reagents</p>
Synonyms	MAP1ALC3
Specificity	<p>Rabbit anti MAP1LC3B antibody recognizes microtubule-associated proteins 1A/1B light chain 3B, also known as autophagy-related protein LC3B.</p> <p>MAP1LC3B is a key protein in autophagy and is essential for autophagosome elongation (Liu et al. 2018). During autophagy, the carboxy terminus of MAP1LC3B is cleaved to produce LC3-I in the cytoplasm. LC3-I is then lipidated, resulting in LC3-II which binds to autophagic vesicles. Presence of LC3-II in autophagosomes is an indicator of autophagy. Therefore, changes in the location and abundance of these proteins can be used to study autophagy (Tang et al. 2019). MAP1LC3B has been found to be activated in solid tumors and is associated with tumor progression (Kang et al. 2019).</p>
Storage	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10048 available at: https://www.bio-rad-antibodies.com/SDS/MCA6341 10048</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	FITC
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP
Sheep Anti Rabbit IgG (STAR35...)	RPE
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin , FITC , HRP
Sheep Anti Rabbit IgG (STAR36...)	DyLight®488 , DyLight®680 , DyLight®800

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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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