

Datasheet: AHP2167T

Description:	RABBIT ANTI HUMAN MAP1LC3A/B (N-TERMINAL)
Specificity:	MAP1LC3A/B (N-TERMINAL)
Other names:	Atg8-LC3
Format:	Purified
Product Type:	Polyclonal Antibody
lsotype:	Polyclonal IgG
Quantity:	25 µg

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 re	ecommen	dations, please visit <u>w</u>	ww.bio-		
	rad-antibodies.com/proto	rad-antibodies.com/protocols.					
		Yes	No	Not Determined	Suggested Dilution		
	Flow Cytometry						
	Immunohistology - Frozen			•			
	Immunohistology - Paraffin			•			
	ELISA			•			
	Immunoprecipitation						
	Western Blotting	-			1/1000 - 1/5000		
	Immunofluorescence						
	Where this product has not been tested for use in a particular technique this does not						
	necessarily exclude its us	se in such	procedu	res. Suggested working	g dilutions are given as		
	a quide only. It is recommended that the user titrates the product for use in their own						
	system using appropriate negative/positive controls						
	system using appropriate	, negative,	positive	50111013.			
Target Species	Human						
Species Cross	Reacts with: Mouse						
Reactivity	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						
Antiserum Preparati	on Antiserum to human LC3	A was rai	sed by re	peated immunisation o	of rabbits with highly		

purified antigen. Purified IgG was prepared by affinity chromatography.

Buffer Solution	Phosphate buffered saline			
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)			
Approx. Protein Concentrations	IgG concentration 1.0mg/ml			
Immunogen	Synthetic peptide sequence PSDRPFKQRRSFADC from the N-Terminal region of LC3A (NP_115903.1; NP_852610.1).			
External Database Links	UniProt: Q9H492 Related reagents Q9GZQ8 Related reagents Q91VR7 Related reagents Q9CQV6 Related reagents Entrez Gene: Lated reagents			
	84557MAP1LC3ARelated reagents81631MAP1LC3BRelated reagents66734Map1lc3aRelated reagents67443Map1lc3bRelated reagents			
Synonyms	Map1alc3, MAP1ALC3, Map1lc3			
RRID	AB_10673306			
Specificity	 Rabbit anti Human MAP1LC3A/B (N-Terminal) antibody specifically recognizes an epitope within the N-Terminal (NT) region of both MAP1LC3A (Microtubule-associated proteins 1A/1B light chain 3A/LC3A) and MAP1LC3B (Microtubule-associated proteins 1A/1B light chain 3B/LC3B), ubiquitin-like proteins and members of the MAP1LC3 family, which are widely used as reliable markers for the monitoring of autophagy. LC3-I is the cytosolic form of LC3, which is converted into the active, membrane-bound form LC3-II, during the autophagy process. Tracking the level of conversion of LC3-I to LC3-II provides an indicator of autophagic activity, and levels of LC3-II in particular, correlate with the extent of autophagosome formation, due to its association with the autophagosome membrane. Rabbit anti Human MAP1LC3A/B (N-Terminal) antibody recognizes both the LC3-I and LC3-II forms of MAP1LC3A and MAP1LC3B. 			
Western Blotting	AHP2167T detects a band of approximately 14-15kDa corresponding to LC3-II, and a band of approximately 17kDa corresponding to LC3-I, in HeLa cell lysates.			
References	1. Huang, L. <i>et al.</i> (2014) AKI after conditional and kidney-specific knockdown of stanniocalcin-1. J Am Soc Nephrol. 25: 2303-15.			

	 Gjyshi, O. <i>et al.</i> (2015) Kaposi's Sarcoma-Associated Herpe Activation in Latently Infected Endothelial Cells through SQST Interaction with Polyubiquitinated Keap1. <u>J Virol. 89: 2268-86</u> Girard, B.J. <i>et al.</i> (2015) Cytoplasmic PELP1 and ERRgamm Mammary Epithelial Cells from Tam-Induced Cell Death. <u>PLoS</u> 	svirus Induces Nrf2 M1 Phosphorylation and na Protect Human <u>One. 10 (3): e0121206.</u>
Storage	This product is shipped at ambient temperature. It is recommen- 20°C on receipt. When thawed, aliquot the sample as needed short term use (up to 4 weeks) and store the remaining aliquot Avoid repeated freezing and thawing as this may denature the frost-free freezers is not recommended.	nded to aliquot and store at . Keep aliquots at 2-8°C for s at -20°C. antibody. Storage in
Guarantee	12 months from date of despatch	
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/AHP2167T 10040	
Regulatory	For research purposes only	

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR124...) <u>HRP</u> Sheep Anti Rabbit IgG (STAR35...) <u>RPE</u>

Goat Anti Rabbit IgG (Fc) (STAR121...) Biotin, FITC, HRP

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	Email: antibody_sales_us@bio-rad	.com	Email: antibody_sales_uk@bio-rad	.com	Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M429924:240501'

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