

For Research Use Only

# LC3C-Specific Polyclonal antibody

Catalog Number: 18726-1-AP **5 Publications**



## Basic Information

<b>Catalog Number:</b> 18726-1-AP	<b>GenBank Accession Number:</b> NM_001004343	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 550 µg/ml	<b>GeneID (NCBI):</b> 440738	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BXW4	
<b>Isotype:</b> IgG	<b>Full Name:</b> microtubule-associated protein 1 light chain 3 gamma	
	<b>Calculated MW:</b> 17 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB: Recombinant protein, IHC: human liver tissue,
<b>Cited Applications:</b> IF, IP, WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

LC3C, also named as MAP1LC3C, belongs to the MAP1 LC3 family. It is the human homolog of yeast Atg8 and is involved in the formation of autophagosomal vacuoles, called autophagosomes. LC3C is produced by the proteolytic cleavage after the conserved C-terminal Gly residue. The antibody is specific to the prepeptide of LC3C.

## Notable Publications

Author	Pubmed ID	Journal	Application
Dongheng Zhou	34776962	Front Pharmacol	WB, IP
Jonathan A Stefely	31971854	Autophagy	WB, IF
Yiwei Sun	37922908	Dev Cell	WB

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

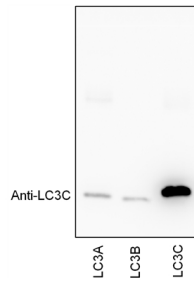
T: 4006900926

E: Proteintech-CN@ptglab.com

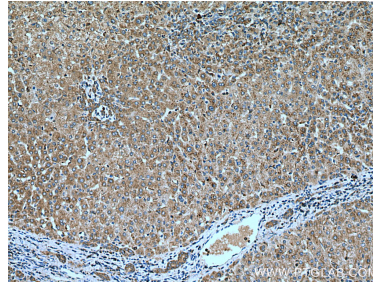
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## Selected Validation Data



WB results of LC3C-specific antibody with Recombinant protein LC3A, LC3B and LC3C, by Dr. Christos Zois.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 18726-1-AP (LC3C-Specific antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).