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**Product Name: LC3B Rabbit Polyclonal Antibody****Catalog #: APRab03405**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200
<b>Molecular Weight</b>	Calculated MW: 15 kDa; Observed MW: 14,16 kDa

**Antigen Information**

<b>Gene Name</b>	MAP1LC3B
<b>Alternative Names</b>	MAP1LC3B
<b>Gene ID</b>	81631
<b>SwissProt ID</b>	Q9GZQ8
<b>Immunogen</b>	

**Background**

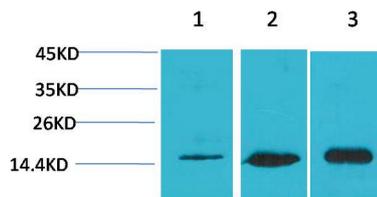
Ubiquitin-like modifier involved in formation of autophagosomal vacuoles (autophagosomes). Plays a role in mitophagy which contributes to regulate mitochondrial quantity and quality by eliminating the mitochondria to a basal level to fulfill cellular

energy requirements and preventing excess ROS production.

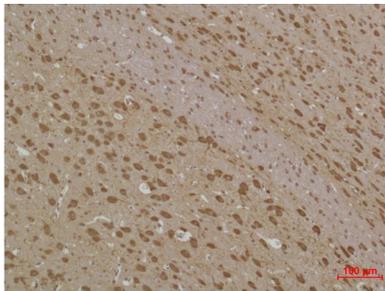
## Research Area

Signal Transduction

## Image Data



Western blot analysis of LC3B in Hela, 3T3, rat Brain lysates using LC3B antibody.



Immunohistochemistry analysis of paraffin-embedded rat Brain Tissue using LC3B antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.