

# Alexa Fluor® 555 Anti-LC3B - Autophagosome Marker antibody [EPR18709] ab307768

重组 RabMAb

## 5 图像

### 概述

产品名称	Alexa Fluor® 555 荧光 Anti-LC3B - Autophagosome Marker 抗体[EPR18709]
描述	Alexa Fluor® 555 荧光 兔单克隆抗体[EPR18709] to LC3B - Autophagosome Marker
宿主	Rabbit
偶联物	Alexa Fluor® 555. Ex: 555nm, Em: 565nm
经测试应用	适用于: ICC/IF, IHC-P
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	IHC-P: Human cerebrum and glioma tissue. ICC/IF: Chloroquine treated HeLa cells.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb® patents</a>.</p> <p>Alexa Fluor® is a registered trademark of Molecular Probes, Inc, a Thermo Fisher Scientific Company. The Alexa Fluor® dye included in this product is provided under an intellectual property license from Life Technologies Corporation. As this product contains the Alexa Fluor® dye, the purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). As this product contains the Alexa Fluor® dye the sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are sold for use in research. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@thermofisher.com">outlicensing@thermofisher.com</a>.</p>

## 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. Store In the Dark.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, 68.98% PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR18709
同种型	IgG

## 应用

**The Abpromise guarantee**      **Abpromise™** 承诺保证使用ab307768于以下的经测试应用

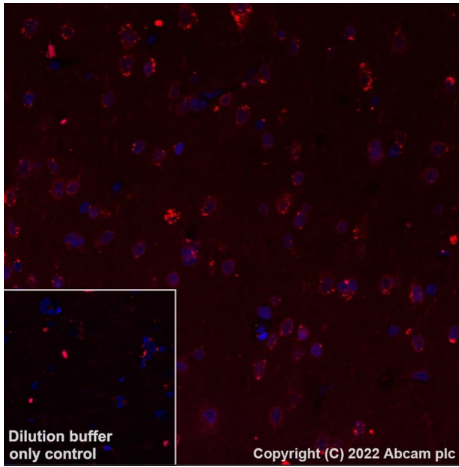
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF		1/50.
IHC-P		1/100.

## 靶标

功能	Probably involved in formation of autophagosomal vacuoles (autophagosomes).
组织特异性	Most abundant in heart, brain, skeletal muscle and testis. Little expression observed in liver.
序列相似性	Belongs to the MAP1 LC3 family.
翻译后修饰	The precursor molecule is cleaved by APG4B/ATG4B to form LC3-I. This is activated by APG7L/ATG7, transferred to ATG3 and conjugated to phospholipid to form LC3-II.
细胞定位	Cytoplasm > cytoskeleton. Endomembrane system. Cytoplasmic vesicle > autophagosome membrane. LC3-II binds to the autophagic membranes.

## 图片



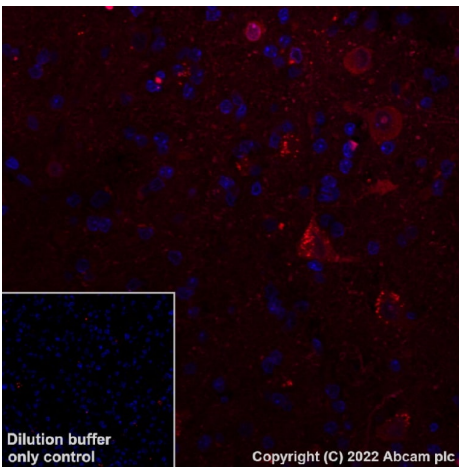
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Alexa Fluor® 555 Anti-LC3B - Autophagosome Marker antibody [EPR18709] (ab307768)

Immunohistochemical analysis of paraffin-embedded human cerebrum tissue labeling LC3B with ab307768 at 1/100 dilution (5.0 µg/ml).

Cytoplasmic staining on human cerebrum.

The section was incubated with ab307768 at 4°C overnight (shown in red). Nuclear DNA was labelled with DAPI (shown in blue). The section was then mounted using Fluoromount®. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Heat mediated antigen retrieval was performed using [\*\*ab93684\*\*](#) (Tris/EDTA buffer, pH 9.0).



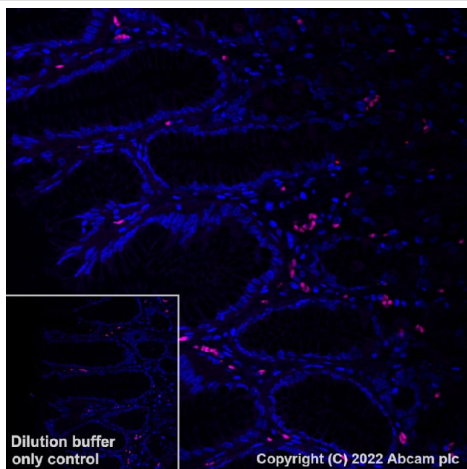
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Alexa Fluor® 555 Anti-LC3B - Autophagosome Marker antibody [EPR18709] (ab307768)

Immunohistochemical analysis of paraffin-embedded human glioma tissue labeling LC3B with ab307768 at 1/100 dilution (5.0 µg/ml).

Cytoplasmic staining on human glioma.

The section was incubated with ab307768 at 4°C overnight (shown in red). Nuclear DNA was labelled with DAPI (shown in blue). The section was then mounted using Fluoromount®. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Heat mediated antigen retrieval was performed using [\*\*ab93684\*\*](#) (Tris/EDTA buffer, pH 9.0).



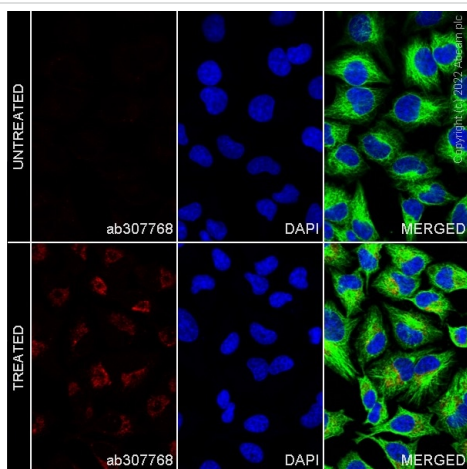
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Alexa Fluor® 555 Anti-LC3B - Autophagosome Marker antibody [EPR18709] (ab307768)

Immunohistochemical analysis of paraffin-embedded human stomach tissue labeling LC3B with ab307768 at 1/100 dilution (5.0 µg/ml).

**Negative control:** no staining on human stomach.

The section was incubated with ab307768 at 4°C overnight (shown in red). Nuclear DNA was labelled with DAPI (shown in blue). The section was then mounted using Fluoromount®. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Heat mediated antigen retrieval was performed using [ab93684](#) (Tris/EDTA buffer, pH 9.0).



Immunocytochemistry/ Immunofluorescence - Alexa Fluor® 555 Anti-LC3B - Autophagosome Marker antibody [EPR18709] (ab307768)

Immunofluorescent analysis of 100% methanol-fixed, 0.1% Triton X-100 permeabilized HeLa (human cervical adenocarcinoma epithelial cell) cells labeling LC3B with ab307768 at 1/50 dilution (10 µg/ml) (Red).

Confocal image showing increased cytoplasmic staining in HeLa cells treated with Chloroquine (50µM) for 24 hours.

[ab195887](#) Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 488) was used to counterstain tubulin at 1/200 dilution (2.5 µg/ml) (Green). The nuclear counterstain was DAPI (Blue).

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Alexa Fluor® 555 Anti-LC3B - Autophagosome  
Marker antibody [EPR18709] (ab307768)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Extensive multi-media technical resources to help you
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