

Mouse LC3A Monoclonal Antibody | anti-LC3A antibody

LC3A Mouse Monoclonal Antibody (5G10)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA330119	Mouse	Human, Mouse, Rat	Immunohistochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

LC3A; Monoclonal Antibody; LC3A Mouse Monoclonal Antibody (5G10); Mouse Anti-LC3A Mouse Monoclonal Antibody (5G10); Microtubule-associated proteins 1A/1B light chain 3A; Autophagy-related protein LC3 A; Autophagy-related ubiquitin-like modifier LC3 A; MAP1 light chain 3-like protein 1; MAP1A/MAP1B light chain 3 A; MAP1A/MAP1B LC3 A; Microtubule-associated protein 1 light chain 3 alpha; anti-LC3A antibody

PRODUCT SPECIFICATIONS

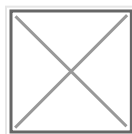
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1
Form/Format	Liquid; PBS, pH7.4, containing 0.02% Sodium Azide as preservative and 50% Glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	121
Applicable Applications for anti-LC3A antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	Synthetic LC3A Peptide
Preparation and Storage	Stable for one year at -20°C from date of receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

IMAGES



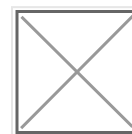
IHC (Immunohistochemistry)

Fig.4. Immunohistochemical analysis of paraffin-embedded rat kidney tissue. 1, LC3A Mouse Monoclonal Antibody (5G10) was diluted at 1:200 (4 degree C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 degree C, 20min). 3, secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.



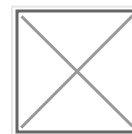
IF (Immunofluorescence)

Fig.2. Immunofluorescence analysis of mouse spleen tissue. 1, LC3A Mouse Monoclonal Antibody (5G10) was diluted at 1:200 (4 degree C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.



IHC (Immunohistochemistry)

Fig.3. Immunohistochemical analysis of paraffin-embedded human uterus tissue. 1, LC3A Mouse Monoclonal Antibody (5G10) was diluted at 1:200 (4 degree C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 degree C, 20min). 3, secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.



IF (Immunofluorescence)

Fig.1. Immunofluorescence analysis of human lung cancer tissue. 1, LC3A Mouse Monoclonal Antibody (5G10) was diluted at 1:200 (4 degree C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.

ADDITIONAL INFORMATION

Related Product Information for anti-LC3A antibody	MAP1A and MAP1B are microtubule-associated proteins which mediate the physical interactions between microtubules and components of the cytoskeleton. MAP1A and MAP1B each consist of a heavy chain subunit and multiple light chain subunits. The protein encoded by MAP1LC3A (microtubule associated protein 1 light chain 3 alpha) is one of the light chain subunits and can associate with either MAP1A or MAP1B. Two transcript variants encoding different isoforms have been found for MAP1LC3A. The expression of variant 1 is suppressed in many tumor cell lines, suggesting that may be involved in carcinogenesis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	85701362
NCBI GeneID	84557
UniProt Accession #	Q9H492
NCBI Official Full Name	Microtubule-associated proteins 1A/1B light chain 3A
NCBI Official Synonym Full Names	microtubule associated protein 1 light chain 3 alpha
NCBI Official Symbol	MAP1LC3A
NCBI Official Synonym Symbols	LC3; LC3A; ATG8E; MAP1ALC3; MAP1BLC3
NCBI Protein Information	microtubule-associated proteins 1A/1B light chain 3A
UniProt Protein Name	Microtubule-associated proteins 1A/1B light chain 3A
UniProt Gene Name	MAP1LC3A
UniProt Synonym Gene Names	MAP1A/MAP1B LC3 A
UniProt Entry Name	MLP3A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.