

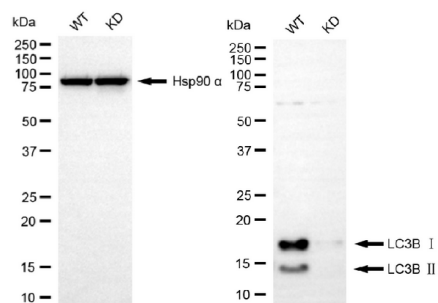


Product name:	KD-Validated LC3A/LC3B Rabbit Monoclonal Antibody
Cat number:	MABNK01267
Conjugate:	Unconjugated
Size:	100 ug
Clone:	D3U4C
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	Rabbit IgG
Immunogen:	A synthesized peptide derived from human LC3B
Reactivity:	Human,Mouse,Rat
Applications:	WB 1:1,000-1:5,000 FC 1:200-1:2,000 ICC 1:100-1:1,000 IHC-P 1:100-1:200
Molecular Weight:	Calculated MW: 14.7kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Storage:	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Synonyms:	MAP1LC3B; Microtubule-Associated Proteins 1A/1B Light Chain 3B; Autophagy-Related Ubiquitin-Like Modifier LC3 B; MAP1 Light Chain 3-Like Protein 2; MAP1A/MAP1B Light Chain 3 B; MAP1A/MAP1B LC3 B; MAP1A/1BLC3; MAP1LC3B-A; MAP1ALC3; LC3B
Source:	Rabbit
Background:	The product of this gene is a subunit of neuronal microtubule-associated MAP1A and MAP1B proteins, which are involved in microtubule assembly and important for neurogenesis. Studies on the rat homolog implicate a role for this gene in autophagy, a process that involves the bulk degradation of cytoplasmic component. [provided by RefSeq, Jul 2008]

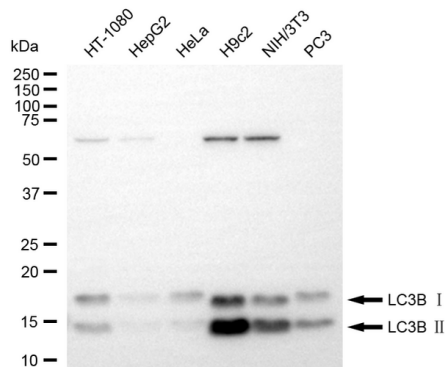
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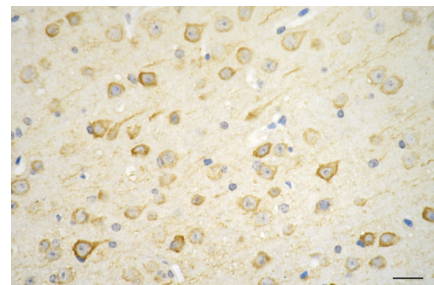
Web-site: <https://immunologicalsciences.com> - E-mail: info@immunologicalsciences.com



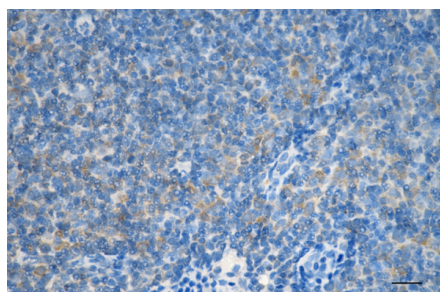
Western blotting analysis using LC3A/LC3B antibody. LC3B expression in wild-type (WT) and LC3A/LC3B knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with LC3B antibody (1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (1:10,000) respectively.



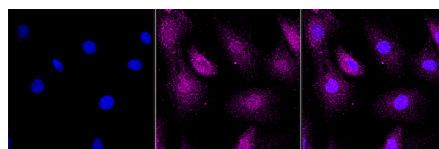
Western blotting analysis using LC3A/LC3B antibody. Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with LC3B antibody 1:5,000 and HRP-conjugated goat anti-rabbit secondary antibody (1:10,000) respectively.



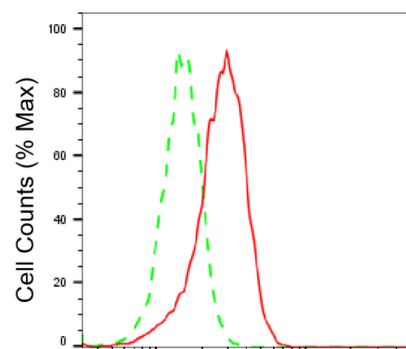
Immunohistochemistry was performed on paraffin-embedded mouse brain using LC3A/LC3B antibody (1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunohistochemistry was performed on paraffin-embedded human lymphoma using LC3A/LC3B antibody (1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunocytochemical staining of H9c2 cells with LC3A/LC3B antibody (1:1,000). Nuclei were stained blue with DAPI; LC3B was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 µm.



LC3B-Alexa Fluor® 647

Flow cytometric analysis of LC3A/LC3B expression in H9c2 cells using LC3B antibody (1:2,000). Green, isotype control; red, LC3B.

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