

Product datasheet for LY300232

MAP1LC3A Human Knockdown Lysate

Product data:

Product Type: Knockdown Lysates

Description: WB-validated MAP1LC3A Knockdown HeLa Cell Lysate

Species: Human Expression Host: HeLa

Tag: Tag Free

Synonyms: MAP1LC3A; Microtubule Associated Protein 1 Light Chain 3 Alpha; MAP1BLC3; MAP1ALC3;

ATG8E; LC3A; LC3; Microtubule-Associated Proteins 1A/1B Light Chain 3A; 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; Microtubule-Associated Proteins 1A/1B Light Chain 3; Autophagy-Related Protein LC3 A; MAP1A/1B Light

Chain 3 A

Predicted MW: 14 kDa

Components: 1 vial of 100 ug WT HeLa cell lysate

1 vial of 100 ug MAP1LC3A KD HeLa cell lysate

Storage: Store at -20 °C for two years.

Concentration: Lot-specific

Buffer: IntactProtein Cell-Tissue Lysis buffer

Locus ID: 84557
UniProt ID: Q9H492



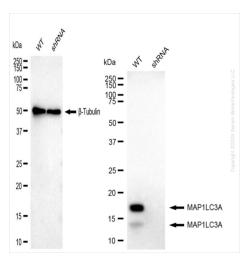
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

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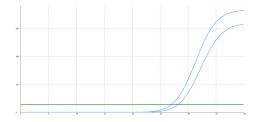
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Product images:



Western blotting analysis. MAP1LC3A protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. β -Tubulin served as a loading control. The blots were incubated with primary antibodies against MAP1LC3A and β -Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ $^{\text{M}}$ ECL Substrate Kit.



Genotype	Ct Value 🚪	
Wild-Type	26.96	
Knock-Down	27.89	
$\Delta Ct (Ct_{KD}-Ct_{WT})$	0.93	
% mRNA Reduction	48 %	

RT-qPCR analysis. HeLa cells were infected with MAP1LC3A-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. Δ Ct (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: (1-1/2 Δ Ct) x 100%.