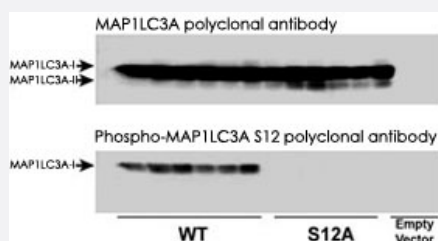


MAP1LC3A (phospho S12) polyclonal antibody

Catalog # PAB8066

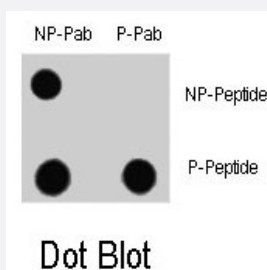
Size 400 uL

Applications



Western Blot (Cell lysate)

Immunoblots of Phospho-MAP1LC3A in CHO cell culture. MAP1LC3 and MAP1LC3 S12A mutant vectors were transfected into CHO cells. The cell lysates were separated with SDS-PAGE and blotted with MAP1LC3A (phospho S12) polyclonal antibody (Cat # PAB8066). MAP1LC3 = microtubule-associated protein light chain-3; S12A = replacement of the amino acid position 12 serine of MAP1LC3 with alanine. WT = wildtype MAP1LC3-transfected cell lysates; S12A = MAP1LC3 S12A mutant-transfected cell lysates; Empty vector = vector with no MAP1LC3 gene. Molecular size: MAP1LC3-I = 16 KDa, and MAP1LC3-II = 14 KDa.



Dot Blot (Peptide)

Dot blot analysis of MAP1LC3A (phospho S12) polyclonal antibody (Cat # PAB8066) and Nonphospho-MAP1LC3 antibody on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5 ug/mL.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of MAP1LC3A.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S12 of human MAP1LC3A.
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Protein A purification
Recommend Usage	ELISA (1:1000) Dot Blot (1:100-500) Western Blot (1:100-500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Immunoblots of Phospho-MAP1LC3A in CHO cell culture. MAP1LC3 and MAP1LC3 S12A mutant vectors were transfected into CHO cells. The cell lysates were separated with SDS-PAGE and blotted with MAP1LC3A (phospho S12) polyclonal antibody (Cat # PAB8066). MAP1LC3 = microtubule-associated protein light chain-3; S12A = replacement of the amino acid position 12 serine of MAP1LC3 with alanine. WT = wildtype MAP1LC3-transfected cell lysates; S12A = MAP1LC3 S12A mutant-transfected cell lysates; Empty vector = vector with no MAP1LC3 gene. Molecular size: MAP1LC3-I = 16 KDa, and MAP1LC3-II = 14 KDa.

- Enzyme-linked Immunoabsorbent Assay

- Dot Blot (Peptide)

Dot blot analysis of MAP1LC3A (phospho S12) polyclonal antibody (Cat # PAB8066) and Nonphospho-MAP1LC3 antibody on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5 ug/mL.

Gene Info — MAP1LC3A

Entrez GeneID	84557
Protein Accession#	NP_115903:Q5JWU0
Gene Name	MAP1LC3A
Gene Alias	LC3, LC3A, MAP1ALC3, MAP1BLC3
Gene Description	microtubule-associated protein 1 light chain 3 alpha

Omim ID	601242
Gene Ontology	Hyperlink
Gene Summary	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 this gene 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 this gene. [provided by RefSeq]
Other Designations	MAP1 light chain 3-like protein 1 MAP1A/1B light chain 3 A MAP1A/MAP1B LC3 A OTTHUMP0000030696 OTTHUMP00000030697 OTTHUMP00000030698 microtubule-associated proteins 1A/1B light chain 3

Publication Reference

- [Autophagy in metazoans: cell survival in the land of plenty.](#)

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Nature Reviews. Molecular Cell Biology 2005 Jun; 6(6):439.

- [Autophagy: dual roles in life and death?](#)

Baehrecke EH.

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- [Degrade or die: a dual function for autophagy in the plant immune response.](#)

Greenberg JT.

Developmental Cell 2005 Jun; 8(6):799.