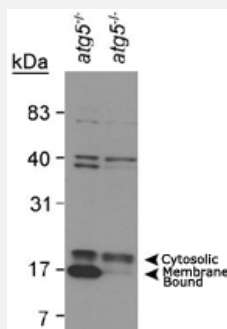


MAP1LC3A polyclonal antibody

Catalog # PAB12389 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of MAP1LC3A in mouse ES cell lysates using MAP1LC3A polyclonal antibody (Cat # PAB12389). Photo courtesy of Dr.BethLevine, UT Southwestern Medical Center.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MAP1LC3A.
Immunogen	A synthetic peptide corresponding to amino acids 1-100 of human MAP1LC3A.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to LC3.
Form	Liquid
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:400) Immunoprecipitation (20 ug/500 ug of protein) Western Blot (2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (30% glycerol, 0.09% sodium azide)
Storage Instruction	Store at -20°C or -80°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)

Western blot analysis of MAP1LC3A in mouse ES cell lysates using MAP1LC3A polyclonal antibody (Cat # PAB12389). Photo courtesy of Dr.BethLevine, UT Southwestern Medical Center.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunohistochemistry

- Immunoprecipitation

Gene Info — MAP1LC3A

Entrez GeneID [84557](#)

Protein Accession# [Q9GZQ8](#)

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|OTTHUMP000030696|OTTHUMP00000030697|OTTHUMP00000030698|microtubule-associated proteins 1A/1B light chain 3

Publication Reference

- [AGPAT2 deficiency impairs adipogenic differentiation in primary cultured preadipocytes in a non-autophagy or apoptosis dependent mechanism.](#)

Fernandez-Galilea M, Tapia P, Cautivo K, Morselli E, Cortes VA.

Biochemical and Biophysical Research Communications 2015 Nov; 467(1):39.

Application: IF, Mouse, Preadipocytes

- [Co-localization of constituents of the dengue virus translation and replication machinery with amphisomes.](#)

Panyasrivanit M, Khakpoor A, Wikan N, Smith DR.

The Journal of General Virology 2009 Feb; 90(Pt 2):448.

- [The ARF tumor suppressor can promote the progression of some tumors.](#)

Humbey O, Pimkina J, Zilfou JT, Jarnik M, Dominguez-Brauer C, Burgess DJ, Eischen CM, Murphy ME.

Cancer Research 2008 Dec; 68(23):9608.

Application: WB-Ce, Mouse , MEF cells

- [A key role for autophagy and the autophagy gene Atg16l1 in mouse and human intestinal Paneth cells.](#)

Cadwell K, Liu JY, Brown SL, Miyoshi H, Loh J, Lenerz JK, Kishi C, Kc W, Carrero JA, Hunt S, Stone CD, Brunt EM, Xavier RJ, Sleckman BP, Li E, Mizushima N, Stappenbeck TS, Virgin HW 4th.

Nature 2008 Nov; 456(7219):259.

Application: WB-Ce, Mouse, Mouse intestinal epithelium, MEF cells

- [Mitochondrial autophagy is an HIF-1-dependent adaptive metabolic response to hypoxia.](#)

Zhang H, Bosch-Marce M, Shimoda LA, Tan YS, Baek JH, Wesley JB, Gonzalez FJ, Semenza GL.

The Journal of Biological Chemistry 2008 Apr; 283(16):10892.

Application: WB-Ce, Mouse, MEF cells

- [The autophagy gene ATG5 plays an essential role in B lymphocyte development.](#)

Miller BC, Zhao Z, Stephenson LM, Cadwell K, Pua HH, Lee HK, Mizushima NN, Iwasaki A, He YW, Swat W, Virgin HW 4th.

Autophagy 2008 Apr; 4(3):309.

Application: WB-Ce, Mouse, Mouse B cells