

Datasheet

MAP1LC3A polyclonal antibody

Catalog Number: PAB15521

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against MAP1LC3A.

Immunogen: N-terminus of human MAP1LC3A.

Host: Rabbit

Reactivity: Bovine, Human, Mouse, Rat, Zebra fish

Applications: Flow Cyt, IHC, IHC-P, WB-Ti
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: Immunogen has 100% homology to rat and 97% homology to bovine. This antibody is useful for Western blot, where a band is seen ~14 KDa.

Form: Liquid

Recommend Usage: Flow Cytometry (1:100)
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:100)
Western Blot (1:2500)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (50% glycerol, 0.1% BSA, 0.05% sodium azide)

Storage Instruction: Store at 4°C for short term. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 84557

Gene Symbol: MAP1LC3A

Gene Alias: LC3, LC3A, MAP1ALC3, MAP1BLC3

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]

References:

1. Dissection of autophagosome formation using Apg5-deficient mouse embryonic stem cells. Mizushima N, Yamamoto A, Hatano M, Kobayashi Y, Kabeya Y, Suzuki K, Tokuhiya T, Ohsumi Y, Yoshimori T. J Cell Biol. 2001 Feb 19;152(4):657-68.