Recombinant MAP1LC3A Monoclonal Antibody

catalog number: **AN301596L**

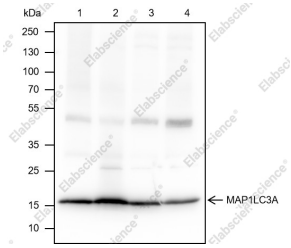
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant human MAP1LC3A fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C111219
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:10000-1:50000
IHC	1:50-1:100
IF	1:50

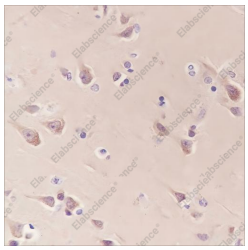
Data



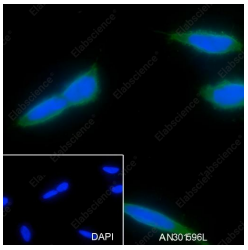
Western Blot with MAP1LC3A Monoclonal Antibody at dilution of 1:50000. Lane 1: Rat brain, Lane 2: Mouse brain, Lane 3: Mouse cerebellum, Lane 4: Rat cerebellum

Observed-MW:16 kDa

Calculated-MW:14 kDa



Immunohistochemistry of paraffin-embedded Human brain using MAP1LC3A Monoclonal Antibody at dilution of 1:100.



Immunofluorescent analysis of (4% Paraformaldehyde) fixed SH-SY5Y cells using anti-MAP1LC3A Monoclonal Antibody at dilution of 1:50.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Microtubule-associated proteins 1A/1B light chain 3A is a protein that in humans is encoded by the MAP1LC3A gene. Two transcript variants encoding different isoforms have been found for this gene. 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. MAPLC3A is one of the mammalian homologues of yeast ATG8, an important marker and effector of autophagy.

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