

MAL701Hu21

**Monoclonal Antibody to Microtubule Associated Protein 1 Light Chain 3 Alpha
(MAP1LC3a)**

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Monoclonal antibody preparation

Host: Mouse

Antibody isotype: IgG2b Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: C2

Traits: Liquid

Concentration: 1mg/mL

UOM: 200μL

Cross Reactivity: Mouse; Rat; Porcine.

Applications: WB; IHC

[IMMUNOGEN]

Immunogen: Recombinant MAP1LC3a (Met1~Gly120) expressed in *E.coli*

Accession No.: RPL701Hu01

[APPLICATIONS]

Western blotting: 0.01-2μg/mL;

Immunohistochemistry: 5-20μg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

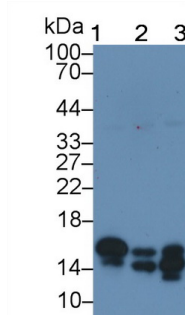
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

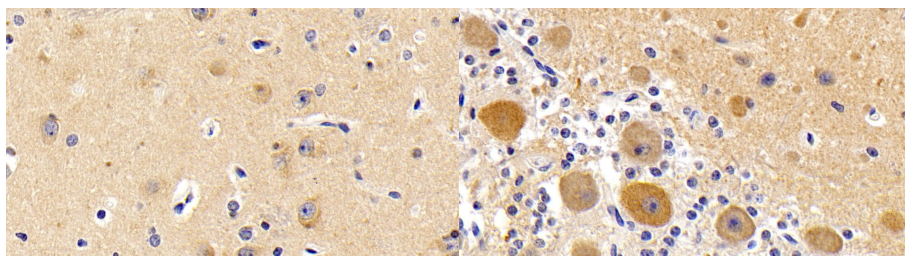
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[IDENTIFICATION]



Western Blot; Sample: Lane1: Porcine Cerebrum lysate; Lane2: Rat Cerebrum lysate; Lane3: Mouse Cerebrum lysate
Primary Ab: 2 μ g/ml Mouse Anti-Human MAP1LC3a Antibody
Second Ab: 0.2 μ g/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)



DAB staining on IHC-P;
Sample: Human Cerebrum Tissue;
Primary Ab: 20ug/ml Mouse Anti-Human MAP1LC3a Antibody
Second Ab: 2 μ g/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)

DAB staining on IHC-P;
Sample: Human Cerebellum Tissue;
Primary Ab: 20ug/ml Mouse Anti-Human MAP1LC3a Antibody
Second Ab: 2 μ g/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.