

**PAL701Hu01**

**Polyclonal 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

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13th Edition (Revised in Aug, 2023)

### [ **PROPERTIES** ]

**Source:** Polyclonal antibody preparation

**Host:** Rabbit

**Purification:** Antigen-specific affinity chromatography followed by Protein A affinity chromatography

**Traits:** Liquid

**Concentration:** 0.5mg/mL

**UOM:** 10 $\mu$ L

**Cross Reactivity:** Mouse;Rat;Porcine.

**Applications:** WB; IHC; ICC; IP.

### [ **IMMUNOGEN** ]

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

**Accession No.:** RPL701Hu01

### [ **APPLICATIONS** ]

Western blotting: 0.01-2 $\mu$ g/mL;

Immunohistochemistry: 5-20 $\mu$ g/mL;

Immunocytochemistry: 5-20 $\mu$ g/mL;

Optimal working dilutions must be determined by end user.

### [ **FORMULATION** ]

**Form & Buffer:** Supplied as solution form in PBS, pH7.4, containing 0.02% NaN<sub>3</sub>, 50% glycerol.

### [ **STORAGE AND STABILITY** ]

**Storage:** Avoid repeated freeze/thaw cycles.

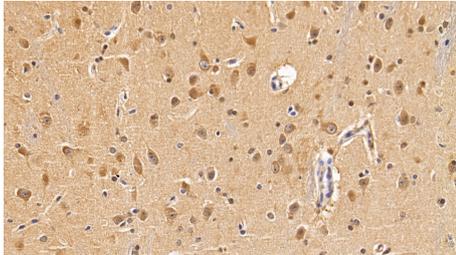
Store at 4°C for frequent use.

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 ]**



DAB staining on IHC-P; Sample:

Human Cerebrum Tissue; Primary Ab:  
20µg/ml Rabbit Anti-Human MAP1LC3a  
Antibody Second Ab: 2µg/mL HRP-  
Linked Caprine Anti-Rabbit IgG  
Polyclonal Antibody (Catalog:  
SAA544Rb19)

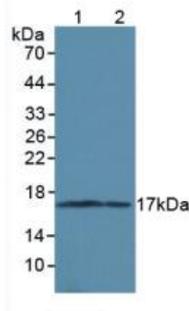
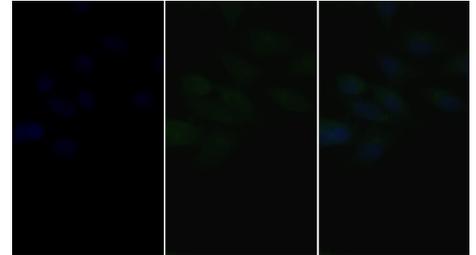
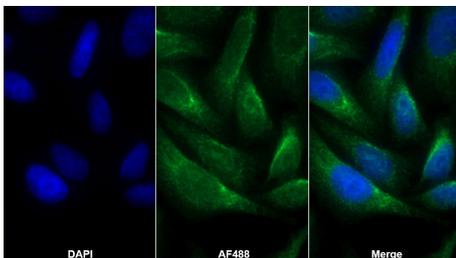


Figure. Western Blot; Sample: Lane1:  
Rat Brain Tissue; Lane2: Mouse Brain  
Tissue.



FITC staining on IF;

Sample: Human HepG2 cell;  
Primary Ab: 20ug/ml Rabbit Anti-  
Human MAP1LC3a Antibody  
Second Ab: 2µg/ml FITC-Linked  
Caprine Anti-Rabbit IgG Polyclonal  
Antibody  
(Catalog: SAA544Rb18)



AF488 staining on IF;

Sample: HepG2 cell  
Primary Ab: 20µg/ml Rabbit Anti-  
Human MAP1LC3a Antibody  
Second Ab: 2µg/ml AF488-Linked  
Caprine Anti-Rabbit IgG Polyclonal  
Antibody  
(Catalog: SAA544Rb11)

**[ 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.