For Research Use Only

MAP1A Recombinant monoclonal antibody, PBS Only

Catalog Number:87623-1-PBS

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Basic Information

Catalog Number:
87623-1-PBS

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_002373

GeneID (NCBI):
4130

UNIPROT ID:
P78559

Full Name:
microtubule-associated protein 1A

Calculated MW:
305 kDa

Observed MW:
26-28 kDa

Purification Method:
Protein A purification

CloneNo.:
252699A2

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

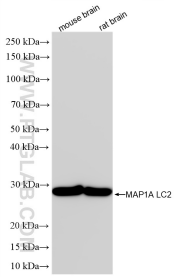
The assembly of microtubules, an essential step in neurogenesis, is modulated by the family of microtubule-associated proteins (MAPs). These proteins have been divided into 2 main groups by molecular mass, high molecular weight MAPs, which include MAP1A, MAP1B, and MAP2, and another group of intermediate-sized proteins, which include the abundant tau MAPs. MAP1A is the largest brain MAP and is expressed prominently in dendrites and to a lesser extent in cell bodies and axons. This protein is involved in differentiation of axons and dendrites as well as maintenance of the microtubule cytoskeleton in mature neurons. This antibody recognizes MAP1 light chain LC2.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87623-1-RR (MAP1A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87623-1-PBS in a different storage buffer formulation.