For Research Use Only

MAP2 Monoclonal antibody, PBS Only

Catalog Number:67015-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
67015-1-PBS

Size:
1 mg/ml

Source:
Mouse

Isotype:
IgG2b

Immunogen Catalog Number:
AG11349

GenBank Accession Number:
BC038857

GeneID (NCBI):
4133

UNIPROT ID:
P11137

Full Name:
microtubule-associated protein 2

Calculated MW:
200 kDa

Purification Method:
Protein A purification

CloneNo.:
1C3E6

Applications

Tested Applications:
Indirect ELISA,IHC,IF,FC

Species Specificity:
Human, mouse, rat

Background Information

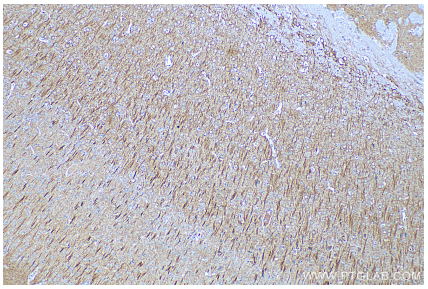
MAP2 (microtubule-associated protein 2) is a cytoskeleton protein abundant in brain and has important role in neuronal morphogenesis. Multiple high molecular weight (MW) and low molecular weight (MW) MAP2 isoforms are expressed within axons, dendrites, and cell bodies. The expression of MAP2 is regulated in both a tissue- and developmentally specific manner. MAP2 antibodies have been widely used to mark the neuron or dendrite formation.

Storage

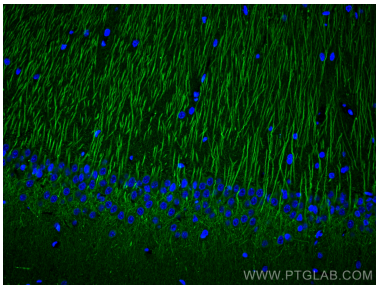
Storage:
Store at -80°C.
Storage Buffer:
PBS Only

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

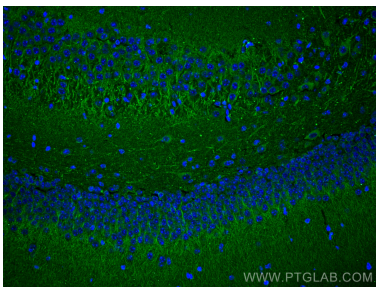
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67015-1-Ig (MAP2 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67015-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using MAP2 antibody (67015-1-Ig, Clone: 1C3E6) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67015-1-PBS in a different storage buffer formulation.



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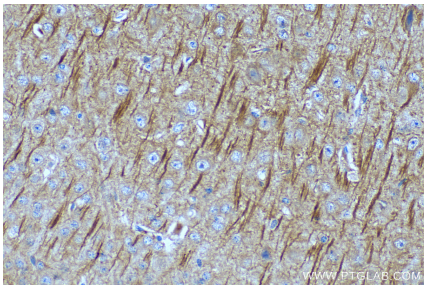
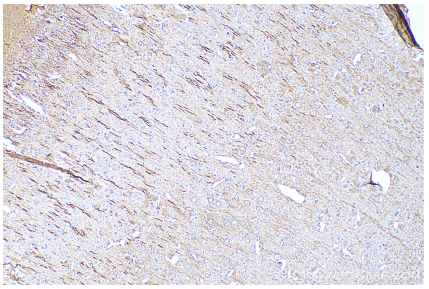
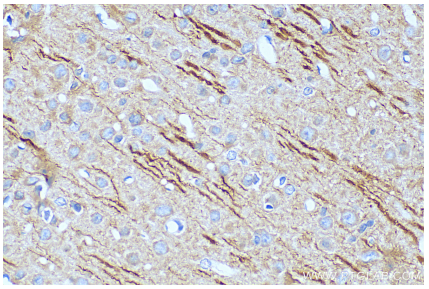


Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67015-1-Ig (MAP2 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67015-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 67015-1-Ig (MAP2 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67015-1-PBS in a different storage buffer formulation.



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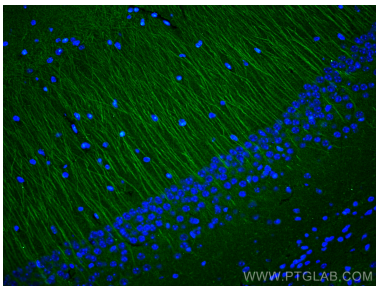

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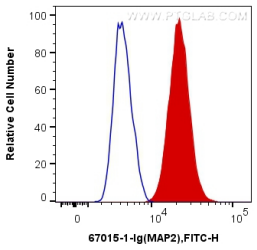
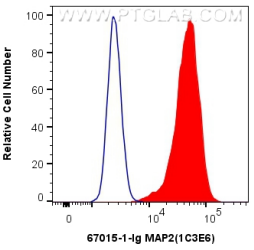


1X10^6 SH-SY5Y cells were intracellularly stained with 0.2 ug Anti-Human MAP2 (67015-1-Ig, Clone:1C3E6) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 67015-1-PBS in a different storage buffer formulation.



1X10^6 Neuro-2a cells were intracellularly stained with 0.4 ug Anti-Human MAP2 (67015-1-Ig, Clone:1C3E6) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2b Isotype Control (MPC-11) (65128-1-Ig, Clone: MPC-11) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 67015-1-PBS in a