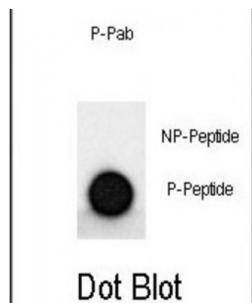


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MAP2 (pS1539) Antibody

Catalogue No.: abx032066



MAP2 is the major microtubule associated protein of brain tissue. There are three forms of MAP2; two are similarly sized with apparent molecular weights of 280 kDa (MAP2a and MAP2b) and the third with a lower molecular weight of 70 kDa (MAP2c). In the newborn rat brain, MAP2b and MAP2c are present, while MAP2a is absent. Between postnatal days 10 and 20, MAP2a appears. At the same time, the level of MAP2c drops by 10-fold. This change happens during the period when dendrite growth is completed and when neurons have reached their mature morphology. MAP2 is degraded by a Cathepsin D-like protease in the brain of aged rats. There is some indication that MAP2 is expressed at higher levels in some types of neurons than in other types. MAP2 is known to promote microtubule assembly and to form side-arms on microtubules. It also interacts with neurofilaments, actin, and other elements of the cytoskeleton.

Target: MAP2 (pS1539)

Reactivity: Human

Host: Rabbit

Clonality: Polyclonal

Tested Applications: DB

Recommended dilutions: Optimal dilutions/concentrations should be determined by the end user.

Immunogen: Human MAP2 (phospho-Ser1539).

Purification: Purified Rabbit Polyclonal Antibody.

Isotype: IgG

Conjugation: Unconjugated

Specificity: This MAP2 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S1539 of human MAP2.

Storage: Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.

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Swiss Prot: [P11137](#)

Buffer: PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by two-step phosphospecific peptide affinity purification.

Note: This product is for research use only.