



AB-84828

MAP2AB (MAP2) Rabbit Polyclonal Antibody**Size:** 100 ul**Concentration:** 1mg/ml**Isotype:** IgG**Species:** Human, Rat, Mouse, Cow**Form:** Serum

Description: The MAP2AB antibody was made against a mixture of recombinant human projection domain sequences, amino acids 377-1505. It binds to the mature MAP2A and MAP2B isoforms but not the lower molecular weight MAP2C and MAP2D forms which lack the projection domain sequences. This antibody is of very high titer, working well at dilutions of 1:10,000. We document that the antibody works well not only for western blotting, IF and ICC but also on formalin fixed paraffin embedded sections.

Immunogen: Recombinant human projection domain sequences, amino acids 377-1505,

Isotype: IgG

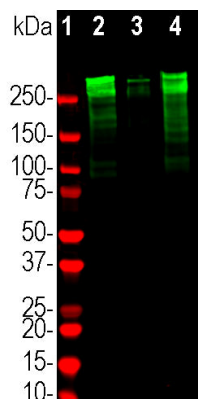
Species: Human, Rat, Mouse, Cow

Molecular Weight: 280kDa by SDS-PAGE

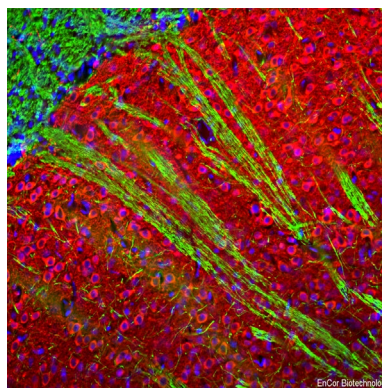
Applications: **Western Blot:** 1:10,000
Immunofluorescence: 1:5,000
Immunocytochemistry: 1:5,000

Format: Serum plus 5mM NaN₃

Storage: Store at 4°C for short term, for longer term store at -20°C. Stable for 12 months from date of receipt.



Western blot analysis of different tissue lysates using rabbit pAb to microtubule associated protein 2A and 2B MAP2AB, dilution 1:10,000 in green: [1] protein standard (red), [2] rat brain, [3] mouse brain, and [4] cow cortex. Strong band at about 280kDa mark corresponds to the two major high molecular weight MAP2 isoforms referred to as MAP2A and MAP2B. Smaller fragments of these isoforms are also detected on the blot, but the MAP2C and MAP2D isoforms are not.



Immunofluorescent analysis of rat brain striatum stained with rabbit pAb to microtubule associated protein 2A and 2B isotypes MAP2AB, dilution 1:5,000 in red, and costained with chicken pAb to myelin basic protein (MBP), dilution 1:5,000 in green. The blue is Hoechst staining of nuclear DNA. The MAP2AB antibody stains dendrites and perikarya of neurons, while the MBP antibody labels oligodendrocytes and myelin sheaths around axons.

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