MAP 2
Cat.No. 188 002; Polyclonal rabbit antibody, 200 µl antiserum (lyophilized)

Data Sheet

Reconstitution/Storage
200 µl antiserum, lyophilized. For reconstitution add 200 µl H2O, then aliquot and store at -20°C until use.

Applications
WB: 1 : 1000 (AP staining) (see remarks)
IP: not tested yet
ICC: 1 : 1000
IHC: yes
IHC-P/FFPE: 1 : 250 up to 1 : 500

Immunogen
Recombinant protein corresponding to AA 2 to 314 from human MAP2-4 hu (UniProt Id: P11137-4)

Reactivity
Reacts with: human (P11137), rat (P15146), mouse (P20357), chicken. Other species not tested yet.

Specificity
Specific for MAP 2; recognizes all four isoforms.

Matching control
188-0P

Remarks
WB: Due to its large size, MAP 2 requires special gel-electrophoresis and Western blot protocols for visualization by immunoblotting. Excellent results can be obtained with the 4-12% TRIS-glycine gradient gels from anamed or NuPAGE 3-8% blots, followed by transfer to nitrocellulose and incubation with the appropriate primary antibody. Other methods include use of 4-12% TRIS-Acetate gradient gels from invitrogen.

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

There are two major classes of heat stable microtubule associated proteins (MAPs): MAP 2, and tau. Both protein classes are involved in the regulation of microtubule polymerization in cells. Four differentially regulated isoforms of MAP 2 have been described so far.