

MAP 2a,b,c (Microtubule-Associated Protein) Ab-3

Catalog # MS-250-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 200ug/ml)

Catalog # MS-250-R7 (7.0ml)

Catalog # MS-250-PCS

INTENDED USE:

- **For In Vitro Diagnostic Use:** This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
- **Description:** Microtubule Associated Protein 2 exists in two high molecular weight forms (2a & 2b) and a low molecular weight form. The expression of MAP2 is developmentally regulated and its multiple forms arise by alternative splicing of a single gene.
- **Expected Staining Pattern:** Cytoplasmic
- **Positive Control:** IMR-5 or T98G human glioblastoma cells or brain

MATERIALS PROVIDED:

MAP 2a,b,c (Microtubule-Associated Protein) Ab-3 (refer to catalog number):

- #MS-250-P (or -P0, -P1) 200ug/ml of antibody purified from ascites. Prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide.
- or
- #MS-250-R7: (7.0ml) of antibody prediluted in 0.05mol/L Tris-HCl, pH 7.6 containing stabilizing protein and 0.015mol/L sodium azide.
- or
- #MS-250-PCS: 5 positive control slides.
- **Antibody Concentration:** 200ug/ml
- **Host:** Mouse
- **Mol. Wt. of Antigen:** ~280kDa Doublet and a 70kDa singlet
- **Epitope:** aa 1-151
- **Species Reactivity:** Human, Cow, Rat, Xenopus, Quail. Others not known.
- **Clone Designation:** AP18
- **Ig Isotype / Light Chain:** IgG1
- **Immunogen:** Bovine brain microtubule associated protein 2.
- **Microbiological State:** This product is not sterile.

MATERIALS REQUIRED, BUT NOT PROVIDED:

- **Antibody Diluent:** For concentrated antibodies, the antibody must be diluted before using. Use Lab Vision Antibody Diluent (catalog # TA-125-UD). Refer to diluent product instructions for use.
- **Negative Control Reagent:** Refer to the "General Protocol" instructions.
- **Visualization System:** Refer to the "General Protocol" instructions.

METHODS AND PROCEDURES:

Specimen Preparation	Refer to the "General Protocol" instructions.
Dilution of Concentrated Antibody	1:100-1:200 in antibody diluent
Tissue Section Pretreatment	Staining of formalin-fixed tissue sections requires treating the tissue sections in boiling 10mM citrate buffer, pH 6.0 (Lab Vision catalog # AP-9003), for 10-20 minutes followed by cooling at room temperature for 20 min..
Primary Antibody Incubation Time	30 mins at Room Temperature
Visualization	To detect antibody, follow the instructions provided with the visualization system.

STORAGE and STABILITY:

This product contains sodium azide and is stable for 24 months when stored at 2-8°C. Do not use after expiration date indicated on label of the product. If reagent is not stored as recommended, performance must be validated by the user.

REFERENCES:

- 1) Kalcheva N; et al. Journal of Neurochemistry, 1994 Dec, 63(6):2336-41.
- 2) Tucker RP; et al. Journal of Neuroscience, 1988 Dec, 8(12):4503-12.
- 3) Viereck C; et al. Neuroscience, 1988 Sep, 26(3):893-904.

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