

A Reliable Research Partner in Life Science and Medicine

# **MAP2 Monoclonal Antibody**

catalog number: AN200047P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### **Description**

Reactivity Human

Immunogen Recombinant Human MAP2 Protein

 Host
 Mouse

 Isotype
 IgG1

 Clone
 A891

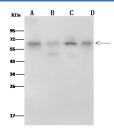
 Purification
 Protein A

Buffer 0.2 µm filtered solution in PBS

Applications Recommended Dilution

**WB** 1:500-1:1000

#### Data



Western Blot with MAP2 Monoclonal Antibody at dilution of 1:500. Lane A: HepG2 Whole Cell Lysate, Lane B: PC12 Whole Cell Lysate, Lane C: Jurkat Whole Cell Lysate, Lane D: A431 Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

Observed-MW:60 kDa Calculated-MW:52 kDa

### **Preparation & Storage**

**Storage** This antibody can be stored at 2°C-8°C for one month without detectable loss of

activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

Shipping Ice bag

## **Background**

The protein encoded by this gene is a member of the methionyl aminopeptidase family. The encoded protein functions both by protecting the alpha subunit of eukaryotic initiation factor 2 from inhibitory phosphorylation and by removing the amino-terminal methionine residue from nascent proteins. Increased expression of this gene is associated with various forms of cancer, and the anti-cancer drugs fumagillin and ovalicin inhibit the protein by irreversibly binding to its active site. Inhibitors of this gene have also been shown to be effective for the treatment of obesity. A pseudogene of this gene is located on chromosome 1. Several transcript variants encoding different isoforms have been found for this gene.

## For Research Use Only