

**MAP2 Antibody (clone 5F9)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS12824****Specification**

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**MAP2 Antibody (clone 5F9) - Product Information**

Application	IHC
Primary Accession	<a href="#">P11137</a>
Reactivity	Human, Mouse, Rat, Rabbit
Host	Mouse
Clonality	Monoclonal
Calculated MW	200kDa KDa

**MAP2 Antibody (clone 5F9) - Additional Information****Gene ID** 4133**Other Names**

Microtubule-associated protein 2, MAP-2, MAP2

**Target/Specificity**

Recognizes rat MAP2 at ~300kD. Species cross-reactivity: Human, rabbit and mouse.

**Reconstitution & Storage**

Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.

**Precautions**

MAP2 Antibody (clone 5F9) is for research use only and not for use in diagnostic or therapeutic procedures.

**MAP2 Antibody (clone 5F9) - Protein Information****Name** MAP2**Function**

The exact function of MAP2 is unknown but MAPs may stabilize the microtubules against depolymerization. They also seem to have a stiffening effect on microtubules.

**Cellular Location**

Cytoplasm, cytoskeleton. Cell projection, dendrite {ECO:0000250|UniProtKB:P20357}

**Volume**

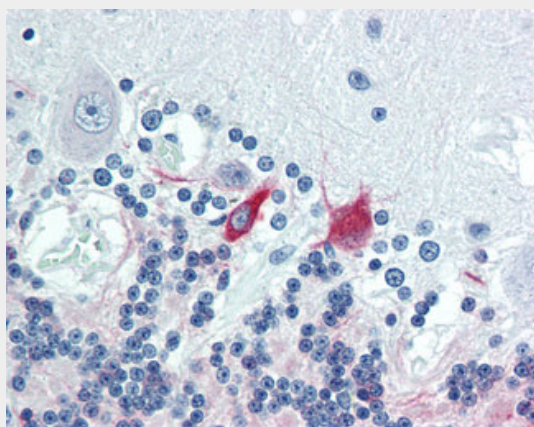
50 µl

**MAP2 Antibody (clone 5F9) - Protocols**

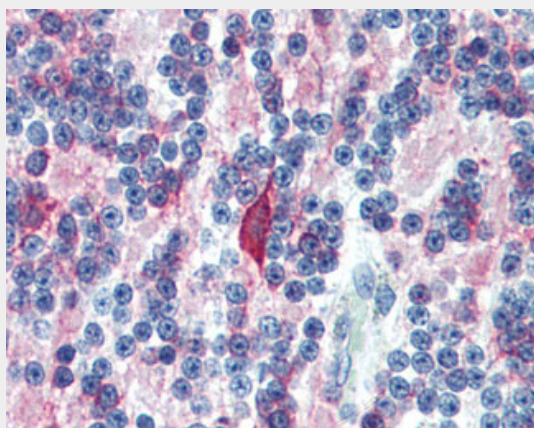
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **MAP2 Antibody (clone 5F9) - Images**



Anti-MAP2 antibody IHC of human brain, cerebellum.



Anti-MAP2 antibody IHC of human brain, cerebellum.

#### **MAP2 Antibody (clone 5F9) - Background**

The exact function of MAP2 is unknown but MAPs may stabilize the microtubules against depolymerization. They also seem to have a stiffening effect on microtubules.

#### **MAP2 Antibody (clone 5F9) - References**

Price R., et al. Submitted (SEP-1993) to the EMBL/GenBank/DDBJ databases.  
Albala J.S., et al. Gene 136:377-378(1993).  
Hillier L.W., et al. Nature 434:724-731(2005).  
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.  
Dammerman M., et al. J. Neurosci. Res. 24:487-495(1989).

