

## Anti-MAP2 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: A01201-Fluoro488

### About MAP2

Microtubule-associated protein 2 is a protein that in humans is encoded by the MAP2 gene. This gene encodes a protein that belongs to the microtubule-associated protein family. The proteins of this family are thought to be involved in microtubule assembly, which is an essential step in neurogenesis. The products of similar genes in rat and mouse are neuron-specific cytoskeletal proteins that are enriched in dendrites, implicating a role in determining and stabilizing dendritic shape during neuron development. A number of alternatively spliced variants encoding distinct isoforms have been described.

### Overview

Product Name	Anti-MAP2 Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P11137

### Technical Details

Immunogen	E. coli-derived human MAP2 recombinant protein (Position: Q64-L133).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

## 20 Publications Citing This Product

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1. PubMed ID: , The effect of acetylcholine-like biomimetic polymers on neuronal growth
2. PubMed ID: 33582188, Wu K, Yue J, Shen K, He J, Zhu G, Liu S, Yang H, Zhang C. Expression and cellular distribution of FGF13 in cortical tubers of the tuberous sclerosis complex. *Neurosci Lett*. 2021 Feb 11;135714. doi:10.1016/j.neulet.2021.135714. Epub ahead of print. PMID:33582188.
3. PubMed ID: 27853172, Lithium promotes DNA stability and survival of ischemic retinal neurocytes by upregulating DNA ligase IV

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