

MAP2 Antibody

Catalog No: #21636

Package Size: #21636-1 50ul #21636-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	MAP2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IF
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total MAP2 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.1819~1823 (T-A-A-L-A) derived from Human MAP2.
Conjugates	Unconjugated
Target Name	MAP2
Other Names	MAP2A; MAP2B; MAP2C
Accession No.	Swiss-Prot: P11137NCBI Protein: NP_002365.3
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

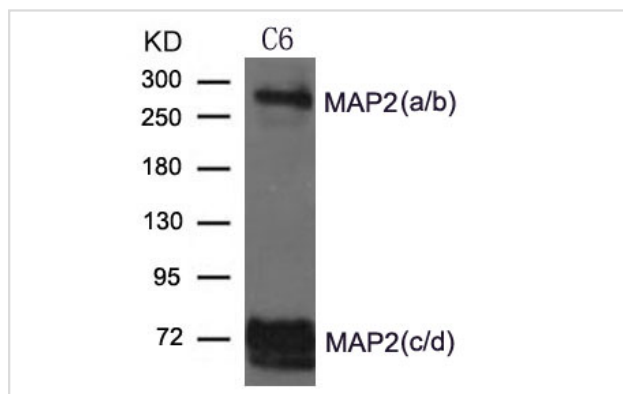
Application Details

Predicted MW: 55-75(2c/2d), 280(2a/2b)kd

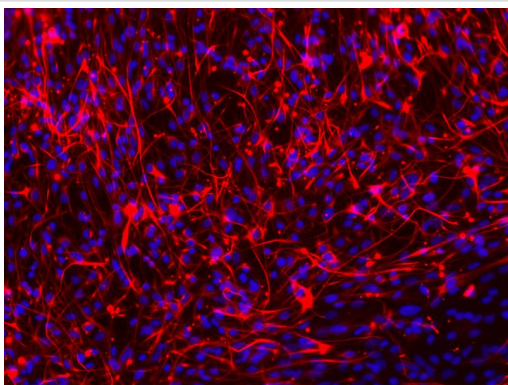
Western blotting: 1:500~1:1000

Immunofluorescence: 1:100~1:200

Images



Western blot analysis of extract from C6 cells using MAP2 Antibody #21636



Immunofluorescence staining of paraffin-embedded Glioma cells of Spinal Cord using MAP2 Antibody #21636.

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.

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Olsen J.V., Blagoev B., Gnad F., Macek B. Mann M. *Cell* 127:635-648(2006)

Matsuoka S., Ballif B.A., Smogorzewska A., McDonald E.R. *Science* 316:1160-1166(2007)

Published Papers

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[PMID:32371135](#)

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el at., Lead exposure represses mitochondrial metabolism by activation of heme-binding protein BACH1 in differentiated SH-SY5Y cell. In *Sci Total Environ* on 2022 Dec 20 by Xiaoyi Li, Xintong Li, et al.. PMID:36096218, , (2022)

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el at., Analysis of the expression and distribution of protein O-linked mannose β 1,2-N-acetylglucosaminyltransferase 1 in the normal adult mouse brain.. In *Front Neuroanat* on 2023 Jan 6 by Hanxiao Jiang, Yuxue Feng, et al.. PMID: 36686576, , (2022)

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el at., Promotion of axon regeneration and protection on injured retinal ganglion cells by rCXCL2InInflamm RegenOn 2023 Jun 20byZi-Yuan Zhang, Zhao-Yang Zuo et al.. PMID:37340465, , (2023)

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Huiling Che;Yu Du;Yixuan Jiang;Zhanfeng Zhu;Mingxuan Bai;Jianan Zheng;Mao Yang;Lin Xiang;Ping Gong el at., Neuronal TRPV1-CGRP axis regulates peripheral nerve regeneration through ERK/HIF-1 signaling pathway., , (2025)

[PMID:39792906](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.