

# Product Datasheet

## MAP1B Antibody NBP1-42827SS

Unit Size: 0.025 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 6/15/2014 v.20.1

**NBP1-42827SS**

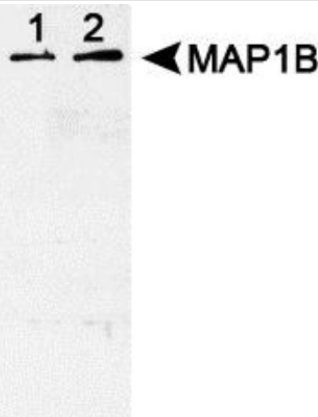
MAP1B [p Thr1265] SuperBUGS Antibody

Product Information	
Unit Size	0.025 ml
Concentration	0.12 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Purity	Immunogen affinity purified
Buffer	PBS
Target Molecular Weight	320 kDa
Product Description	
Host	Rabbit
Gene ID	4131
Gene Symbol	MAP1B
Species	Human, Mouse, Rat, Chicken, Fish, Reptile, Xenopus
Species Reactivity	Human, mouse, rat, chicken, Xenopus, fish and reptile.
Marker	Neuronal Marker
Specificity/Sensitivity	Phosphorylated Thr1265 on MAP1B (Thr1261 in rat).
Immunogen	Phosphopeptide made to a C-terminal portion of rat MAP1B. [Swiss-Prot# P15205]
Product Application Details	
Applications	Western Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Immunocytochemistry/Immunofluorescence 1:200, Immunohistochemistry 1:1000, Immunohistochemistry-Frozen 1:1000, Western Blot 1:1000-1:3000
Application Notes	This MAP1B [p Thr1265] antibody (also known as SuperBUGS) is useful for Western blot, Immunocytochemistry/Immunofluorescence and Immunohistochemistry on frozen sections. In WB a band can be seen at ~320 kDa. Recommended Blocking Buffer for ICC/IF and IHC: 5% (v/v) normal horse serum, 5% (v/v) normal goat serum, 0.2% (w/v) L-lysine, 0.2% (v/v) Triton X-100 in PBS pH 7.2



## Images

Western Blot: MAP1B [p Thr1265] Antibody (SuperBUGS) [NBP1-42827]  
- Analysis of phosphorylated MAP1B in chick embryos (lane 1) and rat neonatal brain (lane 2).



Immunohistochemistry: MAP1B [p Thr1265] Antibody (SuperBUGS) [NBP1-42827] - Immunohistochemical analysis of rat spinal cord transverse section from an E12 embryo.



## Publications

Ma QL, Zuo X, Yang F et al. Loss of MAP Function Leads to Hippocampal Synapse Loss and Deficits in the Morris Water Maze with Aging. *J. Neurosci.* 2014 May 21 [PMID: 24849348] (WB, IHC-Fr, Mouse)

Capoccia BJ, Jin RU, Kong YY et al. The ubiquitin ligase Mindbomb 1 coordinates gastrointestinal secretory cell maturation *J Clin Invest* 2013 Apr 1 [PMID: 23478405] (ICC/IF, Human, Mouse)

Marchbank K, Waters S, Roberts RG et al. MAP1B Interaction with the FW Domain of the Autophagic Receptor Nbr1 Facilitates Its Association to the Microtubule Network *Int J Cell Biol* 2012 [PMID: 22654911] (ICC/IF, Rat)

Pimentel HI da CA. Glycogen synthase kinase 3[beta] modulation in axonal regeneration. 2011 Universidade de Aveiro. 2011

Tymanskyj SR, Lin S, Gordon-Weeks PR. Evolution of the spatial distribution of MAP1B phosphorylation sites in vertebrate neurons. *J Anat.* 2010 Apr 9. [PMID: 20408908] (WB, IHC-Fr, ICC/IF, Rat, Reptile, Chicken, Xenopus, Fish)

Trivedi N, Marsh P, Goold RG, Wood-Kaczmar A, Gordon-Weeks PR. Glycogen synthase kinase-3beta phosphorylation of MAP1B at Ser1260 and Thr1265 is spatially restricted to growing axons. *J Cell Sci*;118(Pt 5):993-1005. 2005 Mar 1. [PMID: 15731007] (WB, IHC-Fr, ICC/IF, Rat)

Scales TM, Lin S, Kraus M, Goold RG, Gordon-Weeks PR. Nonprimed and DYRK1A-primed GSK3 beta-phosphorylation sites on MAP1B regulate microtubule dynamics in growing axons. *J Cell Sci*;122(Pt 14):2424-35. 2009 Jul 15. [PMID: 19549690] (WB, IHC-Fr, Rat)



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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

**For more information on our guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee).**

