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## anti-MAP1B antibody (Internal Region)

2 Images

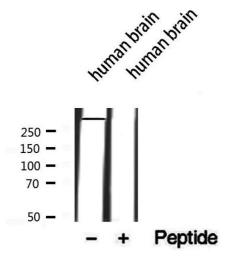


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Overview	
Quantity:	100 μL
Target:	MAP1B
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP1B antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB)
Product Details	
Immunogen:	A synthesized peptide derived from human MAP1B, corresponding to a region within the
	internal amino acids.
Isotype:	IgG
Specificity:	MAP1B Antibody detects endogenous levels of total MAP1B.
Predicted Reactivity:	Pig,Zebrafish,Sheep,Rabbit,Dog,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink <sup>TM</sup> Coupling Resin (Thermo Fisher Scientific).
Target Details	
Target:	MAP1B

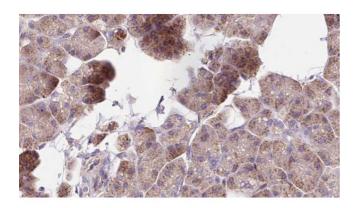
## **Target Details**

rarget Betane	
Alternative Name:	MAP1B (MAP1B Products)
Background:	Description: Facilitates tyrosination of alpha-tubulin in neuronal microtubules (By similarity). Phosphorylated MAP1B may play a role in the cytoskeletal changes that accompany neurite extension. Possibly MAP1B binds to at least two tubulin subunits in the polymer, and this bridging of subunits might be involved in nucleating microtubule polymerization and in stabilizing microtubules. Acts as a positive cofactor in DAPK1-mediated autophagic vesicle formation and membrane blebbing.  Gene: MAP1B
Molecular Weight:	320 kDa
Gene ID:	4131
UniProt:	P46821
Pathways:	Microtubule Dynamics, Regulation of Cell Size
Application Details	
Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months



### **Western Blotting**

**Image 1.** Western blot analysis of extracts from Human brain, using MAP1B antibody.



#### **Immunohistochemistry**

**Image 2.** ABIN6273266 at 1/100 staining Human pancreas cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.