

Nur für Forschungszwecke

MAP1B Polyklonaler Antikörper

Katalog-Nr.: 21633-1-AP

Vorgestelltes Produkt

12 Publikationen



Allgemeine Informationen

Katalog-Nr.: 21633-1-AP	GenBank-Zugangsnummer: BC141853	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 700 µg/ml von Nanodrop und 493 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): 4131	Empfohlene Verdünnungen: WB 1:500-1:1000 IHC 1:200-1:800 IF 1:10-1:100
Wirt: Kaninchen	Vollständiger Name: microtubule-associated protein 1B	
Isotyp: IgG	Berechnete Masse: 2468 aa, 271 kDa	
Immunogen Katalognummer: AG16255	Beobachtete Masse: 320 kDa	

Anwendungen

Geprüfte Anwendungen: FC, IF, IHC, WB, ELISA	Positivkontrollen: WB : Maus-Cerebellum-Gewebe, humanes Hirngewebe IHC : Maushirngewebe, Maus-Cerebellum-Gewebe IF : SH-SY5Y-Zellen, Maushirngewebe
In Publikationen genannte Anwendungen: IF, WB	
Getestete Reaktivität: Human, Maus	
Zitierte Arten: Human, Maus	

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Hintergrundinformationen

Microtubule-associated protein 1B (MAP1B) is a cytoskeleton protein which can promote microtubule assembly. Previous reports have suggested that this protein is closely involved in neuronal development based on its extensive expression in the developing brain and moderate in mature neurons. Gene disruption or knockout studies of the MAP1B gene led to a delayed development of the nervous system in mice. It includes the N-terminal heavy chain and a C-terminal light chain. The MAP1B heavy chain has a microtubule-stabilization effect, and contains an actin-binding site that may play a role in the crosslinking of actin and microtubules, a function that may be important in neurite elongation. Various isoforms around 300-350 kDa of MAP1B can be observed due to the differences in phosphorylation state. (10704485)

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Jing-Yi Long	32927026	Neurochem Int	WB, IF
Monica C Lannom	34847178	PLoS One	WB
Junyu Wu	27715397	Cell Cycle	WB

Lagerung

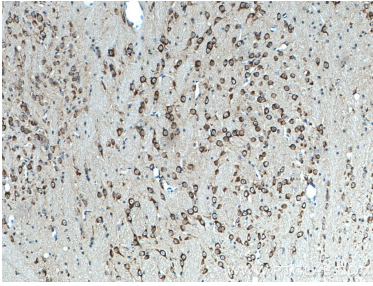
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

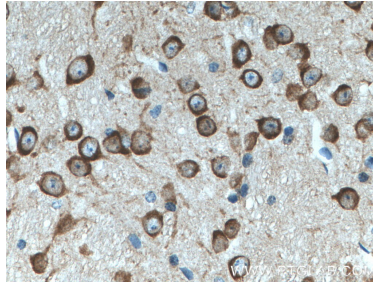
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

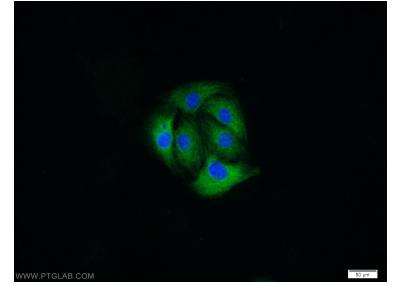
Ausgewählte Validierungsdaten



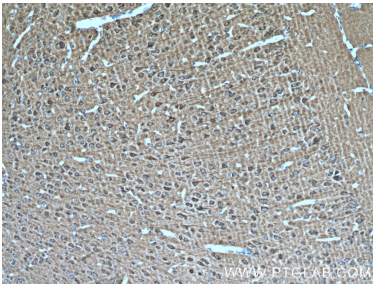
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21633-1-AP (MAP1B antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



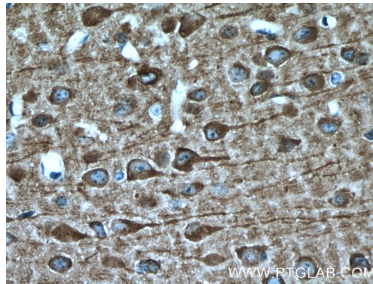
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21633-1-AP (MAP1B antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



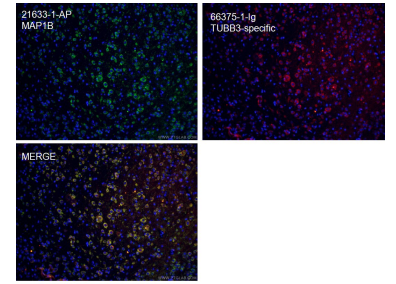
Immunofluorescent analysis of SH-SY5Y cells using 21633-1-AP (MAP1B antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21633-1-AP (MAP1B antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



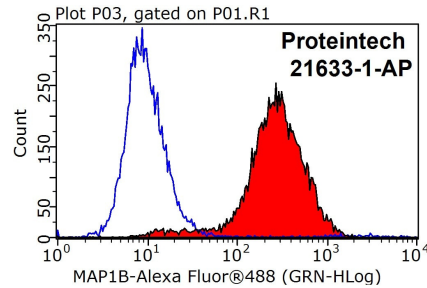
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21633-1-AP (MAP1B antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 21633-1-AP (MAP1B antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



mouse cerebellum tissue were subjected to SDS PAGE followed by western blot with 21633-1-AP (MAP1B antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



1X10⁶ SH-SY5Y cells were stained with 0.2ug MAP1B antibody (21633-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.