

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-MAP1B



Numéro de catalogue: 21633-1-AP

Phare

12 Publications

Informations de base

Numéro de catalogue: 21633-1-AP	Numéro d'acquisition GenBank: BC141853	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul, Concentration: 700 µg/ml by Nanodrop and 493 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 4131	Dilutions recommandées: WB 1:500-1:1000 IHC 1:200-1:800 IF 1:10-1:100
Hôte: Lapin	Nom complet: microtubule-associated protein 1B	
Isotype: IgG	MW calculé 2468 aa, 271 kDa	
Immunogen Catalog Number: AG16255	MW observés: 320 kDa	

Applications

Applications testées:
FC, IF, IHC, WB, ELISA

Demandes citées:
IF, WB

Spécificité de l'espèce:
Humain, souris

Espèces citées:
Humain, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : tissu de cervelet de souris, tissu cérébral humain

IHC : tissu cérébral de souris, tissu de cervelet de souris

IF : cellules SH-SY5Y, tissu cérébral de souris

Informations générales

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)

Publications notables

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

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

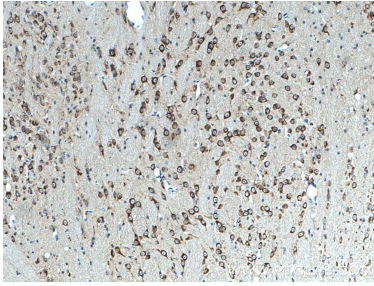
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

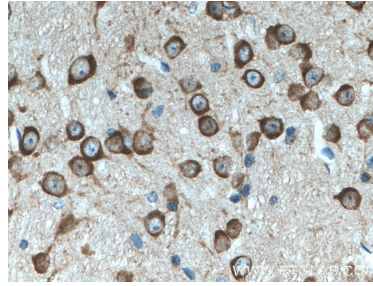
E: proteintech@ptglab.com
W: ptglab.com

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

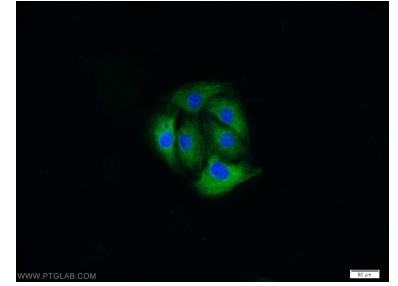
Données de validation sélectionnées



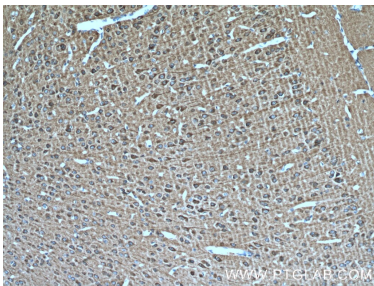
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21633-1-AP (MAP1B antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



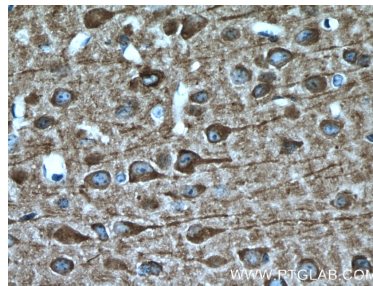
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21633-1-AP (MAP1B antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



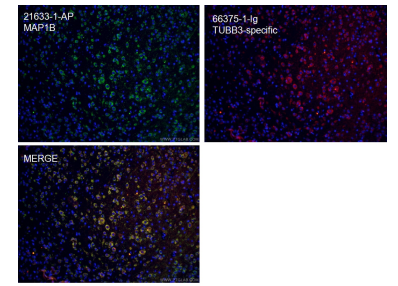
Immunofluorescent analysis of SH-SY5Y cells using 21633-1-AP (MAP1B antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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).



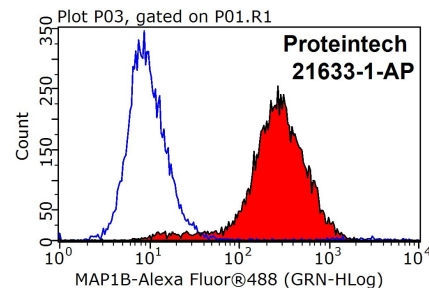
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21633-1-AP (MAP1B antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.