

À des fins de recherche uniquement

# Anticorps Monoclonal anti-TUBB3-specific



Numéro de catalogue: **CL488-66375**

## Informations de base

<b>Numéro de catalogue:</b> CL488-66375	<b>Numéro d'acquisition GenBank:</b> NM_001197181	<b>Méthode de purification:</b> Purification par protéine G
<b>Taille:</b> 100ul , Concentration: 2000 µg/ml by Nanodrop and 2000 µg/ml by Bradford method using BSA as the standard;	<b>Identification du gène (NCBI):</b> 10381	<b>CloneNo.:</b> 1F8G10
<b>Hôte:</b> Mouse	<b>Nom complet:</b> tubulin, beta 3	<b>Dilutions recommandées:</b> WB 1:1000-1:6000 IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>MW calculé</b> 55 kDa	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm

## Applications

<b>Applications testées:</b> IF, WB	<b>Contrôles positifs:</b>
<b>Spécificité de l'espèce:</b> Humain, rat, souris	<b>WB :</b> cellules Neuro-2a, <b>IF :</b> tissu cérébral de souris, moelle épinière de souris, tissu de cervelet de souris, tissu testiculaire de souris

## Informations générales

TUBB3, the class III  $\beta$  tubulin or Tuj1, is selectively expressed in testis and neurons of the central and peripheral nervous system. It has been widely used as a marker for neurons. Aberrant expression of TUBB3 has also been found in various tumors of non-neural origin and can be used as a biomarker for cancer aggressiveness and a marker for the tendency to respond poorly to chemotherapy. This antibody is specific to TUBB3 but not cross-react with other tubulin isoforms. And the antibody is conjugated with CL488, Ex/Em 488 nm/515 nm.

## Stockage

**Stockage:**  
Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.  
**Tampon de stockage:**  
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, 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)

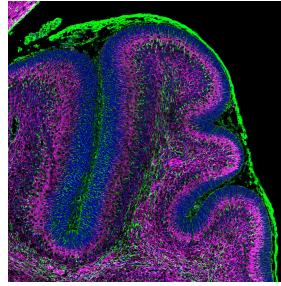
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

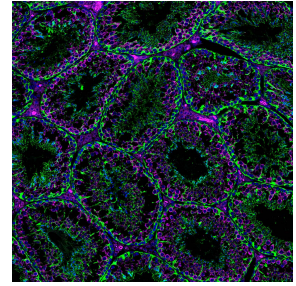
## Données de validation sélectionnées



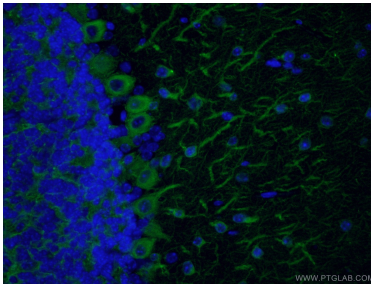
E14.5 FFPE mouse spine stained for beta-III tubulin (red, Cat. No CL488-66375) and GFAP (cyan, Cat. No 60190-1-Ig). Beta-III tubulin stains neurons and was conjugated to CoraLite-488 fluorescent dye and pseudocolored to red. GFAP stains astrocytes along the spinal column. In this image, astrocyte projections can be seen among spinal neurons in the spinal cord. Image credit: @Immunofluorescence on Instagram.



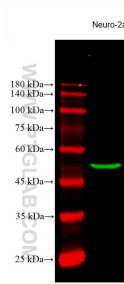
Neonatal mouse cerebellum stained for beta-III tubulin (magenta, Cat. No CL488-66375) and GFAP (green, Cat. No 60190-1-Ig). Beta-III tubulin stains neurons and was conjugated to CoraLite-488 fluorescent dye and pseudocolored to magenta. GFAP stains astrocytes. In this image, astrocyte projections can be seen intermingling with neurons. Image credit: @Immunofluorescence on Instagram.



Adult mouse testes were co-stained with TUBB3 (CL488-66375, in green), DDX4/VASA (51042-1-AP, in magenta), and PCNA (60097-1-Ig, in blue). TUBB3/Beta III tubulin marks the Sertoli cells (structural support cells), VASA marks the germ cells (developing sperm), and PCNA marks proliferating cells (these cells are at the base of the tubule, where the sperm stem cells are located). The image was created in paid partnership with @Immunofluorescence on Instagram.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CL488-66375 (TUBB3-specific antibody) at dilution of 1:50.



Neuro-2a cell lysates were subjected to SDS PAGE followed by western blot with CL488-66375 (TUBB3-specific antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.