

Nur für Forschungszwecke

TUBB3-specific Monoklonaler Antikörper

Katalog-Nr.:CL488-66375



Allgemeine Informationen

Katalog-Nr.: CL488-66375	GenBank-Zugangsnummer: NM_001197181	Reinigungsmethode: Protein-G-Reinigung
Größe: 100ul , Konzentration: 2000 µg/ml von10381 Nanodrop und 2000 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): 10381	CloneNo.: 1F8G10
Wirt: Maus	Vollständiger Name: tubulin, beta 3	Empfohlene Verdünnungen: WB 1:1000-1:6000 IF 1:50-1:500
Isotyp: IgG1	Berechnete Masse: 55 kDa	Anregungs-/Emissionsmaxima- Wellenlängen: 493 nm / 522 nm

Anwendungen

Geprüfte Anwendungen: IF, WB	Positivkontrollen: WB : Neuro-2a-Zellen, IF : Maushirngewebe, Maus-Cerebellum-Gewebe, Maushodengewebe
Getestete Reaktivität: Human, Maus, Ratte	

Hintergrundinformationen

TUBB3, the class III β 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.

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.
Lagerungspuffer:
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, 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)

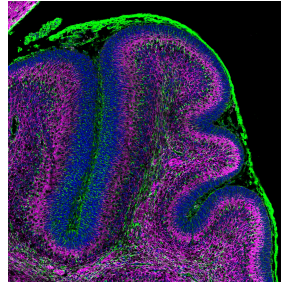
E: proteintech@ptglab.com
W: ptglab.com

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

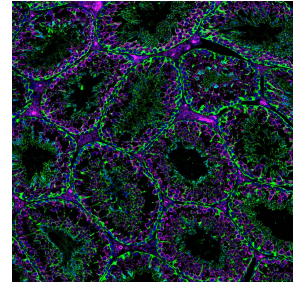
Ausgewählte Validierungsdaten



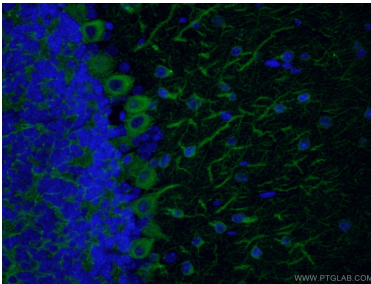
E14.5 FFPE mouse spine stained for beta-III tubulin (red, Cat. No CL488-66375) and GFAP (cyan, Cat. No 60190-1-Ig). Beta-III tubulin stains neurons and was conjugated to CoraLite-488 fluorescent dye and pseudocolored to red. GFAP stains astrocytes along the spinal column. In this image, astrocyte projections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



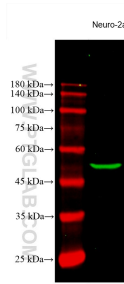
Neonatal mouse cerebellum stained for beta-III tubulin (magenta, Cat. No CL488-66375) and GFAP (green, Cat. No 60190-1-Ig). Beta-III tubulin stains neurons and was conjugated to CoraLite-488 fluorescent dye and pseudocolored to magenta. GFAP stains astrocytes. In this image, astrocyte projections can 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.