Nur für Forschungszwecke

TUBB3-specific Monoklonaler Antikörper

proteintech®
Antibodies | ELISA kits | Proteins
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Katalog-Nr.:66375-1-Ig 39 Publikationen

Allgemeine Informationen

Katalog-Nr.:
66375-1-Ig

Größe:
150ul , Konzentration: 1900 μg/ml von Nanodrop und 1000 μg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:
Maus

Isotyp:
IgG1

GenBank-Zugangsnummer:
NM_001197181

GeneID (NCBI):
10381

Vollständiger Name:
tubulin, beta 3

Berechneté Masse:
55 kDa

Beobachteté Masse:
50-55 kDa

Reinigungsmethode:
Protein-G-Reinigung

CloneNo.:
1F8G10

Empfohlene Verdünnungen:
WB 1:5000-1:50000
IHC 1:400-1:20000
IF 1:50-1:500

Anwendungen

Geprüfte Anwendungen:
FC, IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:
FC, IF, IHC, WB

Getestete Reaktivität:
Hausschwein, Huhn, Human, Kaninchen, Maus, Ratte

Zitierte Arten:
Huhn, Human, Maus, Ratte

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

Positivkontrollen:

WB : SH-SY5Y-Zellen, humanes Hirngewebe, Neuro-2a-Zellen, PC-12-Zellen

IHC : humanes Cerebellum-Gewebe, Maus-Cerebellum-Gewebe, Maushirngewebe

IF : Rattenhirngewebe, iPS-Zellen, Maushirngewebe

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.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Ji-Qiang Fu	30264483	CNS Neurosci Ther	IF
Shuai Yu	34616727	Front Cell Dev Biol	WB
Shuai Huang	31660066	Theranostics	IF

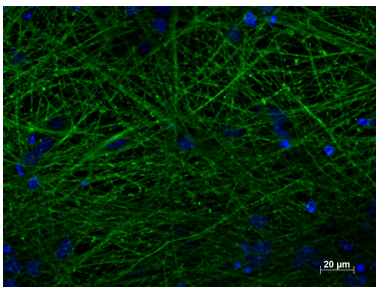
Lagerung

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

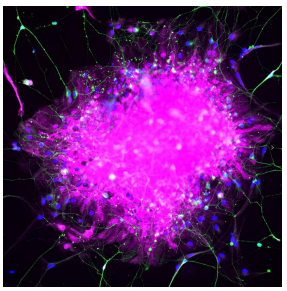
*** 20ul-Größen enthalten 0.1% BSA

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

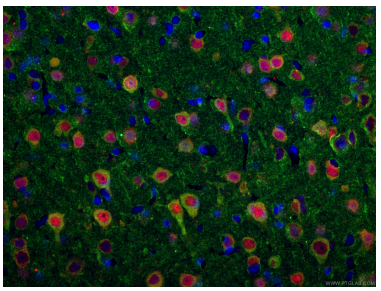
Ausgewählte Validierungsdaten



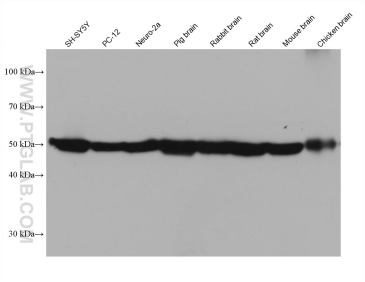
Immunofluorescent staining of TUBB3 (66375-1-Ig, 1:250) with 4% PFA fixed control hiPSC derived neuronal cultures (35 days old). (Green: TUBB3; Blue: DAPI). Provided by BioTalentum Ltd., Hungary.



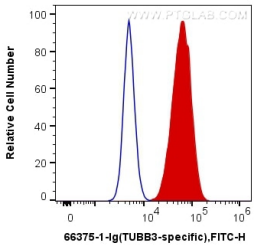
Immunofluorescence analysis of human pluripotent stem cell-derived astrocytes with S100β (15146-1-AP) at 1/200 (Magenta) and neurons with TUJ1 (66375-1-Ig) at 1:500 (Green). The sample was fixed with 4% Paraformaldehyde and permeabilized with 0.3% Triton X-100. Alexa Fluor 488-conjugated goat anti-mouse IgG (1/500) and Alexa Fluor 594-conjugated goat anti-rabbit IgG (1/500) were used as the secondary antibodies. Nuclei were counterstained with



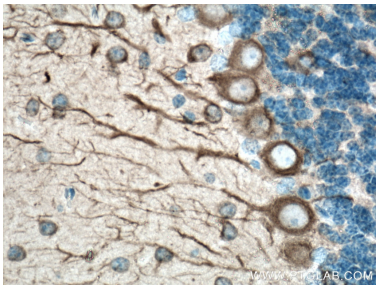
Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using 66375-1-Ig (TUBB3-specific antibody), at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). The section was co-stained with 26975-1-AP (NeuN antibody, red).



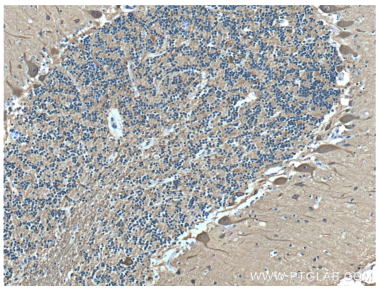
Various lysates were subjected to SDS PAGE followed by western blot with 66375-1-Ig (TUBB3-specific antibody) at dilution of 1:49000 incubated at room temperature for 1.5 hours.



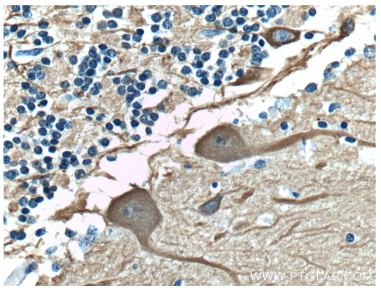
1X10^6 SH-SY5Y cells were intracellularly stained with 0.2 ug Anti-Human TUBB3-specific (66375-1-Ig, Clone:1F8G10) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



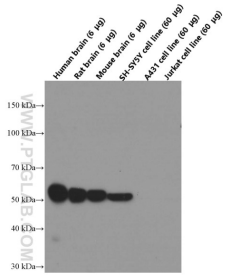
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66375-1-Ig (TUBB3-specific antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



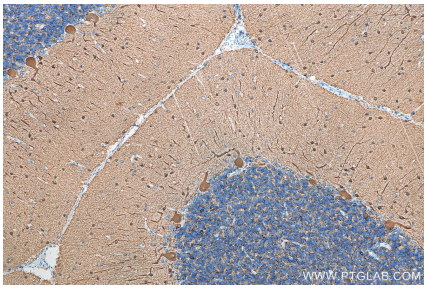
Immunohistochemical analysis of paraffin-embedded human cerebellum tissue slide using 66375-1-Ig (TUBB3-specific Antibody) at dilution of 1:400 (under 10x lens).

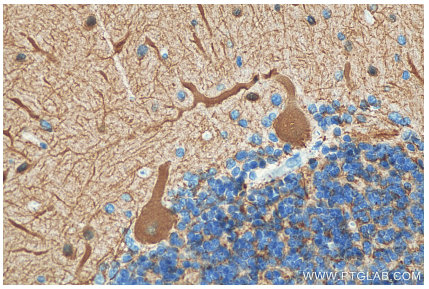


Immunohistochemical analysis of paraffin-embedded human cerebellum tissue slide using 66375-1-Ig (TUBB3-specific Antibody) at dilution of 1:400 (under 40x lens).



Western blot analysis of TUBB3 in various tissues and cell lines with 66375-1-Ig (TUBB3-specific Antibody) at dilution of 1:40,000 incubated at room temperature for 1.5 hours.





Immunohistochemical analysis of paraffin-embedded human cerebellum tissue slide using 66375-1-Ig (TUBB3-specific antibody) at dilution of 1:20000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded human cerebellum tissue slide using 66375-1-Ig (TUBB3-specific antibody) at dilution of 1:20000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).