



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Technically
Speaking

CEDARLANE[®] 
www.cedarlanelabs.com

Conveniently Delivering You Today's Innovations
for the Science of Tomorrow™

FITC Mouse Anti-betaIII-tubulin Monoclonal Antibody

CLX108F

Lot:

Clone: TU-20

Isotype: Mouse IgG1

Specificity: The antibody TU-20 recognizes C-terminal peptide sequence ESESQGPK (aa 441-448) of neuron-specific human betaIII-tubulin.

Immunogen: Peptide (C) 441-448 coupled to maleimide-activated keyhole limpet hemocyanin via cysteine added to the N-terminus of the neuron-specific peptide.

Species Reactivity: Broad species reactivity

Preparation: The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC.

Storage Buffer: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4.

Storage / Stability: Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label. Short-term exposure to room temperature should not affect the quality of the reagent. However, if reagent is stored under any conditions other than those specified, the conditions must be verified by the user..

Usage: Immunocytochemistry on fixed and permeabilized cells. Suggested working dilution is 1:40. The conjugate was also successfully used on paraffin sections using confocal microscopy. It is recommended that the user titrates the reagent for use in the particular testing system.

Background: The betaIII-tubulin isoform is present dominantly in cells of neuronal origin and it is one of the earliest markers of neuronal differentiation. It is regarded as a specific probe for the cells of neuronal origin as well as for the tumours originating from these cells. The betaIII-tubulin is most abundant in cells of neuronal origin, but was also detected in Sertoli cells of the testis and transiently in non-neuronal embryonic tissues.

Continued Overleaf...

Visit our website for your local distributor.

CEDARLANE[®] 

www.cedarlanelabs.com

An ISO 9001:2000 and ISO 13485:2003
registered company.

In CANADA: **Toll Free: 1-800-268-5058**

4410 Paletta Court, Burlington, ON L7L 5R2 ph: (289) 288-0001, fax: (289) 288-0020
e-mail: general@cedarlanelabs.com

In the USA: **Toll Free: 1-800-721-1644**

1210 Turrentine Street, Burlington, NC 27215 ph: (336) 513-5135, fax: (336) 513-5138
e-mail: service@cedarlanelabs.com

References:

- *Draberova E, Lukas Z, Ivanyi D, Viklicky V, Draber P: Expression of class III beta-tubulin in normal and neoplastic human tissues. *Histochem Cell Biol.* 1998 Mar;109(3):231-9.
- *Peknicova J, Kubatova A, Sulimenko V, Draberova E, Viklicky V, Hozak P, Draber P: Differential subcellular distribution of tubulin epitopes in boar spermatozoa: recognition of class III beta-tubulin epitope in sperm tail. *Biol Reprod.* 2001 Sep;65(3):672-9.
- *Jirásek T, Cipro S, Musilová A, Kubecová M, Mandys V: Expression of class III beta-tubulin in colorectal carcinomas: an immunohistochemical study using TU-20 & TuJ-1 antibody. *Indian J Med Res.* 2009 Jan;129(1):89-94.
- *Kukharsky V, Sulimenko V, Macůrek L, Sulimenko T, Dráberová E, Dráber P: Complexes of gamma-tubulin with nonreceptor protein tyrosine kinases Src and Fyn in differentiating P19 embryonal carcinoma cells. *Exp Cell Res.* 2004 Aug 1;298(1):218-28.
- *Jirasek T, Pisarikova E, Viklicky V, Mandys V: Expression of class III beta-tubulin in malignant epithelial tumours: an immunohistochemical study using TU-20 and TuJ-1 antibodies. *Folia Histochem Cytobiol.* 2007;45(1):41-5.
- *Katsetos CD, Draberova E, Smejkalova B, Reddy G, Bertrand L, de Chadarevian J-P, Legido A, Nissanov J, Baas PW, Draber P: Class III γ -Tubulin and β -Tubulin are Co-expressed and form Complexes in Human Glioblastoma Cells. *Neurochem Res* (2007) 32:1387-1398.
- *Theodorou E, Dalembert G, Heffelfinger C, White E, Weissman S, Corcoran L, Snyder M: A high throughput embryonic stem cell screen identifies Oct-2 as a bifunctional regulator of neuronal differentiation. *Genes Dev.* 2009 Mar 1;23(5):575-88.

This product is made available in collaboration with Exbio Praha, a.s.

Laboratory Reagent For Research Use Only