

## Datasheet

### TUBB3 monoclonal antibody, clone TU-20 (FITC)

**Catalog Number:** MAB5030

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against synthetic peptide of TUBB3.

**Clone Name:** TU-20

**Immunogen:** A synthetic peptide (conjugated with KLH) corresponding to amino acids 441-448 of TUBB3.

**Host:** Mouse

**Reactivity:** Human

**Applications:** ICC

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

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

**Form:** Liquid

**Conjugation:** FITC

**Concentration:** 1 mg/mL

**Isotype:** IgG1

**Recommend Usage:** Immunocytochemistry (1:40)

The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS, pH 7.4 (0.09% sodium azide)

**Storage Instruction:** Store in the dark at 4°C. Do not freeze.

Avoid prolonged exposure to light.

Aliquot to avoid repeated freezing and thawing.

#### References:

1. A high throughput embryonic stem cell screen identifies Oct-2 as a bifunctional regulator of neuronal differentiation. Theodorou E, Dalembert G, Heffelfinger C, White E, Weissman S, Corcoran L, Snyder M. *Genes Dev.* 2009 Mar 1;23(5):575-88.
2. Expression of class III beta-tubulin in malignant epithelial tumours: an immunohistochemical study using TU-20 and TuJ-1 antibodies. Jirasek T, Pisarikova E, Viklicky V, Mandys V. *Folia Histochem Cytobiol.* 2007;45(1):41-5.
3. Complexes of gamma-tubulin with nonreceptor protein tyrosine kinases Src and Fyn in differentiating P19 embryonal carcinoma cells. Kukharsky V, Sulimenko V, Macurek L, Sulimenko T, Draberova E, Draber P. *Exp Cell Res.* 2004 Aug 1;298(1):218-28.