

**Purified anti-Tubulin  $\beta$  3 (TUBB3)**

**Catalog # / Size:** 3887010 / 100  $\mu$ g  
 3887005 / 25  $\mu$ g

**Clone:** AA10

**Isotype:** Mouse IgG2a,  $\kappa$

**Immunogen:** Fusion protein

**Reactivity:** Human, Mouse, Rat

**Preparation:** The antibody was purified by affinity chromatography.

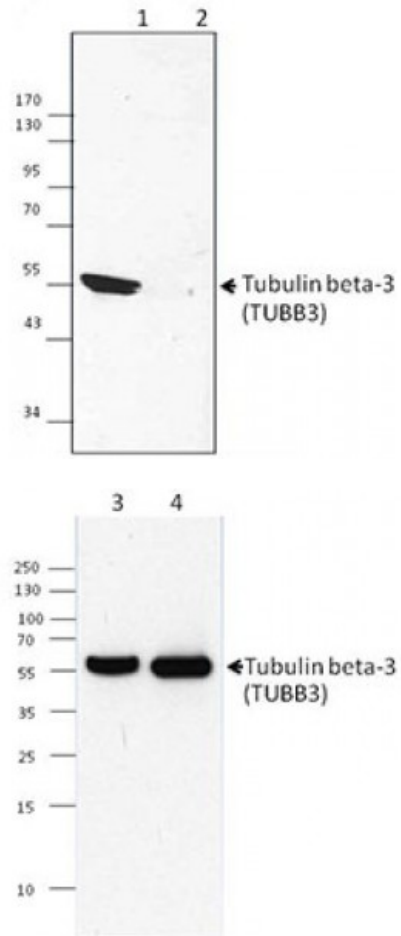
**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.5

**Applications:**

**Applications:** Other

**Recommended Usage:** Each lot of this antibody is quality control tested by Western blotting. For Western blotting, the suggested use of this reagent is 0.5 - 2.0 microg per ml. For immunofluorescent staining, the suggested use of this reagent is 1 - 5 microg per ml. It is recommended that the reagent be titrated for optimal performance for each application.



Mouse brain (lane 1), mouse liver (lane 2), N-tera2 (lane 3), and NF-1 (lane 4) cell extracts were resolved by electrophoresis, transferred to nitrocellulose, and probed with purified monoclonal tubulin  $\beta$  3 (TUBB3) (clone AA10) antibody. Proteins were

**Description:** Tubulin is the main component of microtubules. In adults, tubulin  $\beta$  3 (TUBB3) is primarily expressed in neurons and is commonly used as a neuronal marker. It plays an important role in neuronal cell proliferation and differentiation. Mutations in this gene cause congenital fibrosis of the type 3 extraocular muscles. Tubulin  $\beta$  3 (TUBB3) is also found in a wide range of tumors. Studies indicate that it is a predictive and prognostic marker in various tumors.

- Antigen**
- References:**
1. Katsetos CD, *et al.* 2003. *J. Child Neurol.* 18:851.
  2. Mobarakeh ZT, *et al.* 2012. *Cell Biol. Int. Rep. (2010)* 19:e00015.
  3. Locher H, *et al.* 2013. *Differentiation.* 85:173.
  4. Kar