

## Anti- $\beta$ tubulin (*S.pombe*) antibody, rabbit polyclonal

63-160      100  $\mu$ g

**Shipping and Storage:** Shipped at 4°C or -20°C and store at -20°C.

**Immunogen:** *S.pombe*  $\beta$ -tubulin C-terminal peptide, C-YEIEEEEKEPLEY-OH

**Form:** 1 mg/ml in PBS- with 50% glycerol. Filter-sterilized

**Purity:** Affinity purified with the immunogen peptide

**Reactivity:** Reacts specifically with  $\beta$ -tubulin of *S. pombe*. Not tested with other species.

### Applications

- 1) Western blotting (1,000 fold dilution)
- 2) Immunofluorescent staining (assay dependent)

**Background:** Tubulin is the major constituent of microtubules. There are three members ( $\alpha$ ,  $\beta$ ,  $\gamma$ ) and two subtypes ( $\delta$ ,  $\epsilon$ ) in the tubulin family. Of these members, beta tubulin (449 aa, 51 kDa) is found at microtubule organizing centers (MTOC) such as the spindle poles or the centrosome, suggesting that it is involved in the minus-end nucleation of microtubule assembly during cell cycle.

**Data Link** UniProtKB/Swiss-Prot [P05219](https://www.uniprot.org/entry/P05219) (TBB\_SCHPO)

**Reference** : This antibody was made by Dr. H. Masuda and used in the following reference .

Fedyanina, O.S., et al "Tubulin heterodimers remain functional for one cell cycle after the inactivation of tubulin-folding cofactor D in fission yeast cells." *Yeast* 26,:

235-247(2009) [DOI:10.1002/yea.1663](https://doi.org/10.1002/yea.1663) (WB)

Fig. Western blot analysis of  $\beta$  tubulin in the whole cell extracts of *S. pombe* (10  $\mu$ g). Ant- $\beta$  tubulin antibody: 1,000 fold dilution

