

## Tubulin $\gamma$ (F414) polyclonal antibody

Catalog: BS1483

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

TUB4, the gene for *Saccharomyces cerevisiae*  $\gamma$ -Tubulin, encodes a 473 amino acid structural protein that localizes to the spindle pole body.  $\gamma$  Tubulin, an essential protein for cell growth, organizes microtubule arrays in the nucleus and cytoplasm.  $\gamma$  Tubulin-depleted cells fail to form functional spindles and arrest during nuclear division.  $\gamma$  Tubulin associates with spindle body components Spc97 and Spc98 to form the  $\gamma$  Tubulin complex. The budding yeast  $\gamma$  Tubulin complex contains one molecule each of Spc97 and Spc98 and two molecules of  $\gamma$  Tubulin. In the SPB, Spc110 binds Spc97 and Spc98 of the  $\gamma$  Tubulin complex. 2D gel analysis indicates five isoforms of  $\gamma$  Tubulin. The phosphorylation of  $\gamma$  Tubulin at Tyr 445 plays a regulatory role in microtubule formation. The incidence rate for this phosphorylation event peaks during G1.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 51 kDa

### Swiss-Prot:

P23258

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum

by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

IHC: 1:50~1:200

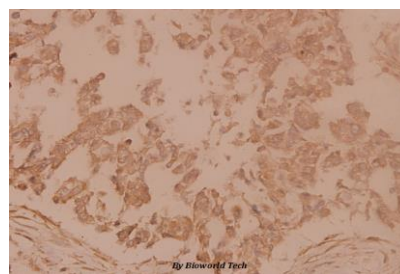
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Tubulin  $\gamma$  (F414) polyclonal antibody detects endogenous levels of Tubulin  $\gamma$  protein.

### DATA:



Immunohistochemistry (IHC) analyzes of Tubulin  $\gamma$  (F414) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

### Note:

For research use only, not for use in diagnostic procedure.

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