

## Anti-Beta Tubulin/TUBB Antibody Picoband® PE Conjugated

Catalog Number: A01857-1-PE

### About TUBB

Tubulin beta chain is a protein that in humans is encoded by the TUBB gene. This gene encodes a beta tubulin protein. This protein forms a dimer with alpha tubulin and acts as a structural component of microtubules. Mutations in this gene cause cortical dysplasia, complex, with other brain malformations 6. Alternative splicing results in multiple splice variants. There are multiple pseudogenes for this gene on chromosomes 1, 6, 7, 8, 9, and 13.

### Overview

Product Name	Anti-Beta Tubulin/TUBB Antibody Picoband® PE Conjugated
Reactive Species	Chicken, Human, Monkey, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P07437

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Beta Tubulin, identical to the related mouse and rat sequences.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	PE Excitation Wavelength: 566 nm Emission Wavelength: 574 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

## 7 Publications Citing This Product

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1. PubMed ID: 10.1016/j.acthis.2017.10.008, Stemness distinctions between the ectomesenchymal stem cells from neonatal and adult mice
2. PubMed ID: 31933182, Shan W,Han F,Xu Y,Shi Y.Stathmin Regulates Spatiotemporal Variation in the Memory Loop in Single-Prolonged Stress Rats. J Mol Neurosci. 2020 Apr;70(4):576-589.doi: 10.1007/s12031-019-01459-w.Epub 2020 Jan 13.PMID: 31933182.
3. PubMed ID: 32201510, Hu X,Lu E,Pan C,Xu Y,Zhu X.Overexpression and biological function of PRDX6 in human cervical cancer.J Cancer.2020 Feb 10;11(9):2390-2400.doi:10.7150/jca.39892.PMID:32201510;PMCID:PMC7066013.

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