

Anti-Beta Tubulin TUBB Antibody Picoband® (monoclonal, 2E11) Fluoro488 Conjugated

Catalog Number: M05613-4-Fluoro488

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® (monoclonal, 2E11) Fluoro488 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Monoclonal 2E11
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Mouse
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	Mouse IgG2a
Form	Liquid
Concentration	0.5 mg/mL
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

10 Publications Citing This Product

1. PubMed ID: 10.3390/ijms21093321, Niacin Alleviates Dairy Cow Mastitis by Regulating the GPR109A/AMPK/NRF2 Signaling Pathway
2. PubMed ID: 30554401, Shen X,Zhang J,Zhang X,Wang Y,Hu Y,Guo J.Retinoic Acid-Induced Protein 14 (RAI14) Promotes mTOR-Mediated Inflammation Under Inflammatory Stress and Chemical Hypoxia in a U87 Glioblastoma Cell Line.Cell Mol Neurobiol.2019 Mar;39(2):241-254.doi:10.1007/s10571-018-0644-z.Epub 2018 Dec 15.PMID:30554401.
3. PubMed ID: -, Han Zhang,Huaishan Wang,Fei Gao,Jia Yang,Yi Xu,Yi Fu,Menghua Cai,Xue Zhang,Qi Yang,Kexin Tong,Yu Hu,Hui Chen,Chao Ma,Wei He,Jianmin Zhang,TSPO Deficiency Accelerates Amyloid Pathology and Neuroinflammation by Impairing Microglial Phagocytosis,Neurobiology of Aging,2021,,ISSN 0197-4580,https://doi.org/10.1016/j.neurobiolaging.2021.06.020.

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