# Tubulin b-III Antibody

Catalog No: #21617

Package Size: #21617-1 50ul #21617-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

## Description

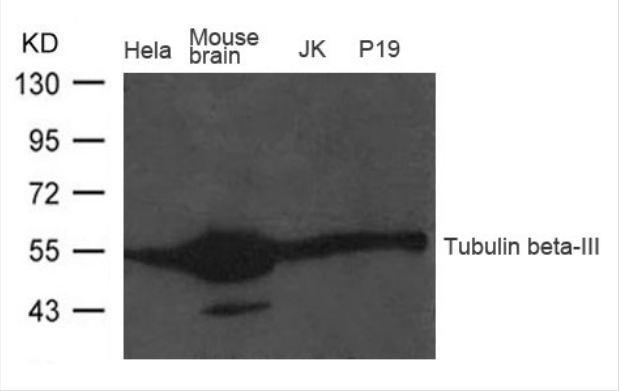
| | |
|---|---|
| Product Name | Tubulin b-III Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| Applications | WB |
| Species Reactivity | Human;Mouse |
| Specificity | The antibody detects endogenous level of total Tubulin b-III protein. |
| Immunogen Type | Peptide-KLH |
| Immunogen Description | Peptide sequence around aa.442~446(E-E-S-E-A) derived from Human Tubulin b-III. |
| Conjugates | Unconjugated |
| Target Name | Tubulin b-III |
| Other Names | TUBB4; CFEOM3A; TUBB3 |
| Accession No. | Swiss-Prot: Q13509NCBI Protein: NP_006077.2 |
| Concentration | 1.0mg/ml |
| Formulation | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use. |

## Application Details

Predicted MW: 55kd

Western blotting: 1:500~1:1000

## Images




Western blot analysis of extract from Mouse brain tissue, Hela, JK and P19 cells using Tubulin beta-III Antibody #21617

## Background

Tubulin is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the a-chain. TUBB3 plays a critical role in proper axon guidance and mantainance.

Tischfield M.A., Baris H.N., Wu C., Rudolph G. Cell 140:74-87(2010)

Katsetos C.D., Legido A., Perentes E., Mork S.J. J. Child Neurol. 18:851-866(2003)

## Published Papers

el at., Proteostatic modulation in brain aging without associated Alzheimer's disease-and age-related neuropathological changesInAgingOn2023 May 13byPol AndrГ©s-Benito?1?2,?Ignacio Г-?igo-Marco et al..PMID:?37179123, , (2023)

PMID:37179123

el at., PQBP1 regulates striatum development through balancing striatal progenitor proliferation and differentiationIn Cell RepOn2023 Mar 28byWenhua Liu , Hao Xie et al..PMID:36943865, , (2023)

PMID:36943865

Note: This product is for in vitro research use only and is not intended for use in humans or animals.