β3-Tubulin

Cat.No. 302 302; Polyclonal rabbit antibody, 200 µl antiserum (lyophilized)

Data Sheet

Reconstitution/Storage

200 µl antiserum, lyophilized. For reconstitution add 200 µl H2O, then aliquot and store at -20°C until use.

Applications

WB: 1 : 1000 up to 1 : 10000 (AP staining)
IP: yes
ICC: 1 : 1000 up to 1 : 5000
IHC: 1 : 200 up to 1 : 500
IHC-P/FFPE: 1 : 500

Immunogen

Synthetic peptide corresponding to AA 443 to 450 from mouse β3-Tubulin (UniProt Id: Q9ERD7)

Reactivity

Reacts with: human (Q13509), rat (Q4QRB4), mouse (Q9ERD7). Other species not tested yet.

Specificity

Specific for β3-tubulin.

TO BE USED IN VITRO / FOR RESEARCH ONLY

NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

Selected References SYSY Antibodies

BMP/SMAD Pathway Promotes Neurogenesis of Midbrain Dopaminergic Neurons In Vivo and in Human Induced Pluripotent and Neural Stem Cells.


Haag N, Schüller S, Nietzsche S, Hübner CA, Strenzke N, Quaßmann B, Kessels MM

Neuron-astrocyte interaction enhance GABAergic synaptic transmission in a manner dependent on key metabolic enzymes.

Kaczor P, Rakus D, Mrozmysz JW

Basal glucocorticoid receptor activation induces proliferation and inhibits neuronal differentiation of human induced pluripotent stem cell-derived neural precursor cells.

Nürnberg E, Horschitz S, Schloss P, Meyer-Lindenberg A
The Journal of steroid biochemistry and molecular biology (2018) : IGC; tested species: human

Impact of preconditioning with retinoic acid during early development on morphological and functional characteristics of human induced pluripotent stem cell-derived neurons.


Selected General References

Expression of class III beta-tubulin correlates with unfavorable survival outcome in patients with resected non-small cell lung cancer.


Class III beta-tubulin is a component of the mitotic spindle in multiple cell types.

Joshihafti EM, Peltonen S, Peltonen J

Early born lineage of retinal neurons express class III beta-tubulin isotype.

Sharma RK, Netland PA

Breakdown of axonal synaptic vesicle precursor transport by microglial nitric oxide.

Stagi M, Dittrich PS, Frank N, Iliiev AI, Schallie P, Neumann H

Class III beta-tubulin isotype: a key cytoskeletal protein at the crossroads of developmental neurobiology and tumor neuropathology.

Katsetos CD, Legido A, Perentes E, Mörk SJ

Class III beta-tubulin in human development and cancer.

Katsetos CD, Herman MM, Mörk SJ

Primary culture of neural precursors from the ovine central nervous system (CNS).

Duittoz AH, Hevor T

Expression of class III beta-tubulin in normal and neoplastic human tissues.

Dráběrová E, Lukás Z, Ivaný D, Vílčíková Vílčíková, Dráběr P

Expression of the class III beta-tubulin isotype in developing neurons in culture.

Ferreira A, Caceres A

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