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Recombinant beta III Tubulin Monoclonal Antibody

catalog number: AN301935L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human;Rat;Mouse

Immunogen Recombinant human beta III Tubulin fragment

HostRabbitIsotypeIgG, κCloneA651

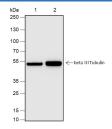
Purification Protein Apurified

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

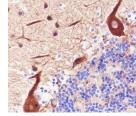
Applications Recommended Dilution

WB 1:1000 IHC 1:200-1:1000

Data

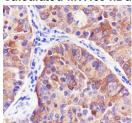


Western Blot with beta III Tubulin Monoclonal Antibody at dilution of 1:1000. Lane 1: SH-SY5Y, Lane 2: Mouse brain

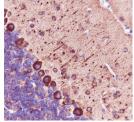


Immunohistochemistry of paraffin-embedded Human cerebellum using beta III Tubulin Monoclonal Antibody at dilution of 1:1000.

Observed-MW:50 kDa Calculated-MW:50 kDa

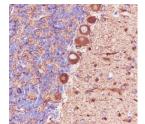


Immunohistochemistry of paraffin-embedded Human lung adenocarcinoma using beta III Tubulin Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Mouse cerebellum using beta III Tubulin Monoclonal Antibody at dilution of 1:1000.

Rev. V1.1



Immunohistochemistry of paraffin-embedded Rat cerebellum using beta III Tubulin Monoclonal Antibody at dilution of 1:1000.

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Preparation & Storage

Storage Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

Background

Beta III Tubulin (TUBB3) is one of $\sin \beta$ -tubulin isoforms and is expressed highly during fetal and postnatal development (axon guidance and maturation). Its expression levels decrease in the adult central nervous system (CNS) but remain high in the peripheral nervous system (PNS). Microtubules enriched in β 3-tubulin are more dynamic than those composed of other β -tubulin isoforms. Research studies have shown that mutations in the β 3-tubulin gene TUBB3 cause ocular motility defects and other nervous system disorders. Furthermore, β 3-tubulin is present in neoplastic but not in normal differentiated glial cells. Thus, β 3-tubulin is a great neuronal marker.

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