Recombinant beta III Tubulin Monoclonal Antibody

catalog number: **AN301935L**

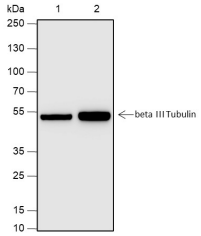
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Rat;Mouse
Immunogen	Recombinant human beta III Tubulin fragment
Host	Rabbit
Isotype	IgG, κ
Clone	C121556
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:1000
IHC	1:200-1:1000

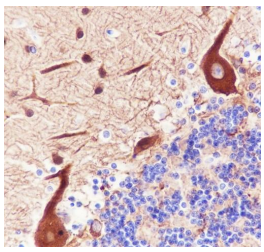
Data



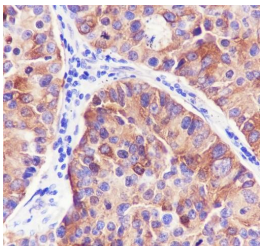
Western Blot with beta III Tubulin Monoclonal Antibody at dilution of 1:1000. Lane 1: SH-SY5Y, Lane 2: Mouse brain

Observed-MW:50 kDa

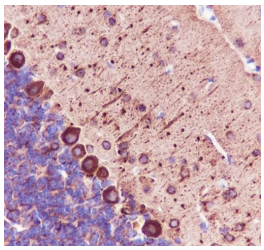
Calculated-MW:50 kDa



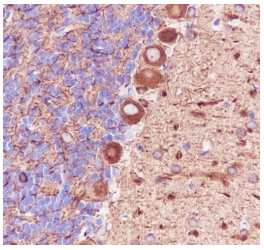
Immunohistochemistry of paraffin-embedded Human cerebellum using beta III Tubulin Monoclonal Antibody at dilution of 1:1000.



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.



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

Preparation & 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 six β-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 β3-tubulin are more dynamic than those composed of other β-tubulin isoforms. Research studies have shown that mutations in the β3-tubulin gene TUBB3 cause ocular motility defects and other nervous system disorders. Furthermore, β3-tubulin is present in neoplastic but not in normal differentiated glial cells. Thus, β3-tubulin is a great neuronal marker.

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