Recombinant beta III Tubulin Monoclonal Antibody

catalog number: **AN301935L**

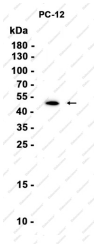
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide of human beta III Tubulin
Host	Rabbit
Isotype	Rabbit IgG
Clone	C111556
Purification	Protein A affinity purification
Conjugation	Unconjugated
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:1000
IHC-P	1:200-1:2000
ICC	1:200-1:500
IP	1:20-1:50
FCM	1:100-1:200

Data



Western blot analysis of PC-12 cell lysates using beta III Tubulin Antibody (AN301935L) at a dilution of 1:1000.

Observed-MW:50 kDa

Calculated-MW:50 kDa

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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