

Tubulin beta-III Rabbit mAb

Catalog No: #48701

Package Size: #48701-1 50ul #48701-2 100ul



Signalway Antibody

Orders: order@signalwayantibody.com
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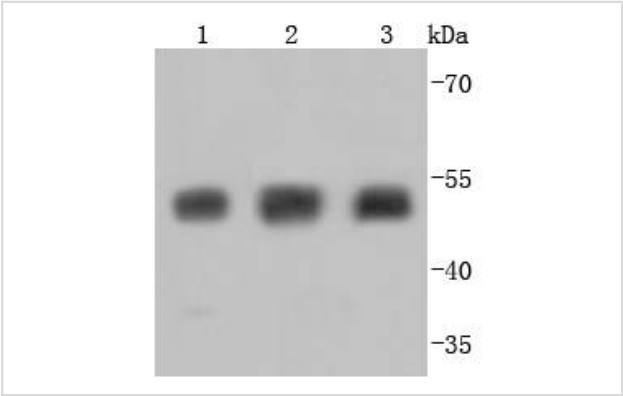
Description

Product Name	Tubulin beta-III Rabbit mAb
Clonality	Monoclonal
Clone No.	SP06-00
Purification	ProA affinity purified
Applications	WB, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	beta 3 tubulin antibody beta-4 antibody CDCBM antibody CDCBM1 antibody CFEOM3 antibody CFEOM3A antibody FEOM3 antibody M(beta)3 antibody M(beta)6 antibody MC1R antibody Neuron specific beta III Tubulin antibody Neuron-specific class III beta-tubulin antibody QccE-11995 antibody QccE-15186 antibody TBB3_HUMAN antibody Tubb 3 antibody TUBB3 antibody TUBB4 antibody Tubulin beta 3 antibody Tubulin beta 3 chain antibody Tubulin beta 4 antibody Tubulin beta III antibody Tubulin beta-3 chain antibody Tubulin beta-4 chain antibody Tubulin beta-III antibody
Accession No.	Swiss-Prot#:Q13509
Calculated MW	50 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

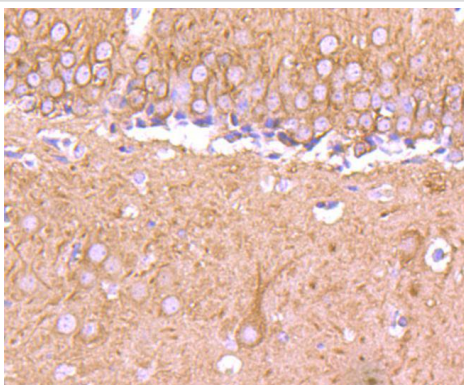
Application Details

WB: 1:1,000-1:2,000
IHC: 1:50-1:200
ICC: 1:50-1:200
FC: 1:50-1:100

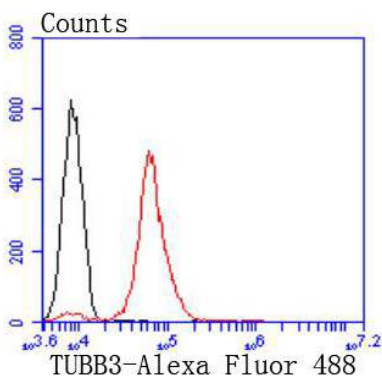
Images



Western blot analysis of Tubulin beta-III on different lysates using anti-Tubulin beta-III antibody at 1/1,000 dilution. Positive control: Lane 1: Hela Lane 2: PC-12 Lane 3: SH-SY-5Y



Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-Tubulin beta-III antibody. Counter stained with hematoxylin.



Flow cytometric analysis of N2A cells with Tubulin beta-III antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

Tubulin is a major cytoskeleton component that has five distinct forms, designated α , β , γ , δ , and ϵ Tubulin. α and β Tubulins form heterodimers which multimerize to form a microtubule filament. Multiple β Tubulin isoforms ($\beta 1$, $\beta 2$, $\beta 3$, $\beta 4$, $\beta 5$, $\beta 6$ and $\beta 8$) have been characterized and are expressed in mammalian tissues. $\beta 1$ and $\beta 4$ are present throughout the cytosol, $\beta 2$ is present in the nuclei and nucleoplasm, and $\beta 3$ is a neuron-specific cytoskeletal protein. γ Tubulin forms the gammasome, which is required for nucleating microtubule filaments at the centrosome. Both δ Tubulin and ϵ Tubulin are associated with the centrosome. δ Tubulin is a homolog of the *Chlamydomonas* δ Tubulin Uni3 and is found in association with the centrioles, whereas ϵ Tubulin localizes to the pericentriolar material. ϵ Tubulin exhibits a cell-cycle-specific pattern of localization, first associating with only the older of the centrosomes in a newly duplicated pair and later associating with both centrosomes.

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