

beta II Tubulin Conjugated Antibody

Catalog No: #C48885

Package Size: #C48885-AF350 100ul #C48885-AF405 100ul #C48885-AF488 100ul

#C48885-AF555 100ul #C48885-AF594 100ul #C48885-AF647 100ul

#C48885-AF680 100ul #C48885-AF750 100ul #C48885-Biotin 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	beta II Tubulin Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	bA506K6.1 antibody Beta2 antibody class II beta tubulin isotype antibody class IIa beta-tubulin antibody class IIb beta-tubulin antibody Class IVb beta tubulin antibody dJ40E16.7 antibody DKFZp566F223 antibody FLJ98847 antibody M(beta)2 antibody MGC8685 antibody OTTHUMP00000015956 antibody OTTHUMP00000015964 antibody TBB4B_HUMAN antibody TUBB 2 antibody TUBB 2A antibody TUBB 2C antibody TUBB antibody TUBB PARALOG antibody TUBB2 antibody TUBB2A antibody TUBB2B antibody TUBB2C antibody Tubb4b antibody Tubulin beta 2 antibody Tubulin beta 2 chain antibody Tubulin beta 2A antibody Tubulin beta 2A chain antibody Tubulin beta 2B antibody Tubulin beta 2B chain antibody Tubulin beta 2C antibody Tubulin beta polypeptide antibody Tubulin beta polypeptide 2 antibody Tubulin beta polypeptide paralog antibody Tubulin beta-2 chain antibody Tubulin beta-2C chain antibody Tubulin beta-4B chain antibody tubulin, beta 2A class IIa antibody tubulin, beta 2B class IIb antibody tubulin, beta 4B class IVb antibody Tubulin, beta, class IVB antibody Tubulin, beta-4B antibody
Accession No.	Swiss-Prot#:P68371
Uniprot	P68371
GenelD	10383;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	50 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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 gammaosome, 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