α/β-Tubulin Antibody



Orders: 877-616-CELL (2355)

orders@cellsignal.com

877-678-TECH (8324) Support:

info@cellsignal.com cellsignal.com Web:

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

For Research Use Only. Not for Use in Diagnostic Procedures.

	Reactivity: M R Mk Z B	Sensitivity: Endogenous	MW (kDa): 55, 52	Source/Isotype: Rabbit	
Product Usage Information		Application Western Blotting Immunohistochemistry (I Immunofluorescence (Im Flow Cytometry (Fixed/Pe	munocytochemistry)		Dilution 1:1000 1:100 1:50 1:50
Storage		Supplied in 10 mM sodiur 20°C. Do not aliquot the a		mM NaCl, 100 μg/ml BSA and	l 50% glycerol. Store at –
Specificity/Sensitivity		The α/β -Tubulin Antibody detects endogenous levels of both α - and β -tubulin total protein, and does cross-react with both recombinant α - and β -tubulin.			
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the sequence of human α - and β -tubulin. Antibodies are purified by protein A and peptide affinity chromatography.			
Background		filaments), and intermedi block, with α/β-tubulin he tubulin is required to nuc cell movements are medi cytoplasmic transport of inerve-cell axon migration	ate filaments. Globular sterodimers forming th leate polymerization o ated by microtubule ac membrane vesicles, ch . These movements re	solic fibers: microtubules, mi r tubulin subunits comprise t e tubulin subunit common t f tubulin subunits to form mi ction, including the beating o romosome alignment during sult from competitive microt rotubule motor proteins (1).	he microtubule building o all eukaryotic cells. γ- crotubule polymers. Many f cilia and flagella, g meiosis/mitosis, and
Background References		1. Westermann, S. and Weber, K. (2003) <i>Nat Rev Mol Cell Biol</i> 4, 938-47.			
Species Reactivity		Species reactivity is deter	mined by testing in at l	east one approved application	on (e.g., western blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween $\$$ 20 at 4°C with gentle shaking, overnight.			
Applications Key		W: Western Blotting IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized)			
Cross-Reactivity Key		H: Human M: Mouse R: Rat Mk: Monkey Z: Zebrafish B: Bovine			
Trademarks and Patents		Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.			
		All other trademarks are t more information.	the property of their re	spective owners. Visit cellsig	nal.com/trademarks for
Limited Uses		Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.			
		approved, cleared, or lice purpose. Customer shall	nsed by the FDA or oth not use any Product fo	y or a similar labeling statem er regulatory foreign or dom r any diagnostic or therapeu	nestic entity, for any tic purpose, or otherwise i

any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for

Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.