4652 Store at -20C

Acetyl-α-Tubulin (Lys40) (D20G3) XP[®] Rabbit mAb (HRP Conjugate)

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	Reactivity: H M R Mk Z	Sensitivity: Endogenous	MW (kDa): 52	Source/Isotype: Rabbit IgG	UniProt ID: #P68363	Entrez-Gene Id: 10376	
Product Usage Information		lication stern Blotting			Dilution 1:1000		
Storage		Supplied in 136 mM NaCl, 2.6 mM KCl, 12 mM sodium phosphate (pH 7.4) dibasic, 2 mg/ml BSA, and 50% glycerol. Store at –20°C. Do not aliquot the antibodies.					
Specificity / Sensitiv		Acetyl- α -Tubulin (Lys40) (D20G3) XP [®] Rabbit mAb (HRP Conjugate) detects endogenous levels of α -tubulin only when acetylated at Lys40. This amino acid is not conserved in β -tubulin.					
Species predicted to react based on 100% sequence homology	ó	pus					
Source / Purification		oclonal antibody is ues surrounding Ly		uunizing animals with a s tubulin protein.	synthetic acetylpeptide	e corresponding to	
Product Description	perox	This Cell Signaling Technology antibody is conjugated to the carbohydrate groups of horseradish peroxidase (HRP) via its amine groups. The HRP conjugated antibody is expected to exhibit the same species cross-reactivity as the unconjugated Acetyl-α-Tubulin (Lys40) (D20G3) XP [®] Rabbit mAb #5335.					
MW (kDa)					52		
Background	and ii tubuli nucle medi mem move action The E HDA0	ntermediate filamen in heterodimers for eate polymerization ated by microtubule brane vesicles, chr ements result from mos of microtubule m Elongator complex C6 functions as a to mic cell shape rem	nts. Globular tubu ming the tubulin of tubulin subun e action, includin omosome alignm competitive micro notor proteins (1) catalytic subunit ubulin deacetylas	of cytosolic fibers: micro ulin subunits comprise th subunit common to all e its to form microtubule p g the beating of cilia and nent during meiosis/mito obtubule polymerization a (Elp3) acetylates α-tubu se. This post-transcriptio lity, tubulin stability and	ne microtubule buildin ukaryotic cells. y-tubu olymers. Many cell m d flagella, cytoplasmic usis, and nerve-cell ax and depolymerization o llin at Lys40 while the onal modification may	g block, with α/β- lin is required to ovements are transport of on migration. These or through the histone deacetylase be required for	
Background Referer	2. Cre	estermann, S. and ^v eppe, C. et al. (200 bbert, C. et al. (200	9) <i>Cell</i> 136, 551-		I, 938-47.		
Species Reactivity	Specie	es reactivity is dete	rmined by testing) in at least one approve	ed application (e.g., we	estern blot).	
Western Blot Buffer		RTANT: For wester Tween® 20 at 4°C		membrane with diluted ng, overnight.	primary antibody in 59	% w/v BSA, 1X TBS,	
Applications Key Cross-Reactivity Key		Western Blotting					

1/1/24, 11:36 AM	Acetyl- α -Tubulin (Lys40) (D20G3) XP $\ensuremath{\mathbb{R}}$ Rabbit mAb (HRP Conjugate) (#14652) Datasheet Without Images
	 H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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