NuMA Antibody

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

Applications: WB, IF-IC	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 238	Source: Rabbit	UniProt ID: #Q14980	Entrez-Gene Id: 4926
Product Usage Information	We	plication estern Blotting munofluorescence (I	mmunocytochemis	try)		Dilution 1:1000 1:100
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity / Sensitivity		NuMA Antibody detects endogenous levels of total NuMA protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human NuMA.				
Background	mai influ may pho Pho mito	ntenance of the mito lences mammary ep / amplify signaling in sphorylation at Ser39 sphorylation at Thr20	tic spindle. NuMA ithelial differentiation the cell death path 95 occurring in an 055 by CDK1 is re- ion by PPP2CA lea	olays a role in chron on (1,2). During apo iway (2). NuMA is p ATM/ATR-depender quired for spindle po	rotein involved in the for natin organization during ptosis, carboxy-terminal hosphorylated at numer nt manner in response to ble association of NuMA c of NuMA at the cell cor	g interphase, which cleavage of NuMA ous sites, with o DNA damage (3,4). at the onset of
Background Refe	2. L 3. S 4. M 5. K	bad, P.C. et al. (2007) in, H.H. et al. (2007) tokes, M.P. et al. (20 latsuoka, S. et al. (20 otak, S. et al. (2013) eldin, L. et al. (2013)	J Biomed Sci 14, (07) Proc Natl Acad 007) Science 316, EMBO J 32, 2517	581-94. 7 <i>Sci USA</i> 104, 1985 1160-6. -29.	55-60.	
Species Reactivit	t y Spec	cies reactivity is dete	rmined by testing i	n at least one appro	ved application (e.g., we	estern 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	WB	Western Blotting IF	-IC: Immunofluore	scence (Immunocyte	ochemistry)	
Cross-Reactivity Key		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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