Ran Antibody

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

Applications: WB	Reactivity: H M R Hm Mk B	Sensitivity: Endogenous	MW (kDa): 24	Source: Rabbit	UniProt ID: #P62826	Entrez-Gene Id: 5901	
Product Usage Information		Application Western Blotting		Dilution 1:1000			
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		Ran Antibody detects endogenous levels of total Ran protein. The antibody does not cross-react with other small GTPases of the Ras family.					
Species predicted to react based on 100% sequence homology:		D. melanogaster, Xenopus					
Source / Purifica	ami	Polyclonal antibodies are produced by immunizing animals with two synthetic peptides corresponding to amino acids surrounding Arg29 and Asn143 of human Ran. Antibodies are purified by protein A and peptide affinity chromatography.					
Background	of e This chro pha	ukaryotic cells. Durii s polarized localizatio omatin associated, w	ng interphase, Ran on of Ran ensures /here it promotes s jates with and inhib	-GDP localizes to th its role in nuclear tra bindle assembly and	ble in the spacial and tem le cytoplasm and Ran-GT ansport (1). During mitosi d nuclear envolope forma nsuring precise chromos	TP to the nucleus. is, Ran-GTP is ation (1,2). In S	
Background Ref	2. H	uimby, B.B. and Das letzer, M. et al. (2002 amaguchi, R. and N	2) Nat. Cell Biol. 4,	177-184.	, 338-344.		
Species Reactivi	i ty Spec	cies reactivity is dete	rmined by testing i	n at least one appro	ved application (e.g., we	stern 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					
		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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Ran Antibody (#4462) Datasheet Without Images Cell Signaling Technology

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