e at -20C	KPNA2 Antibody		Ell Signaling
Store at		Orders:	877-616-CELL (2355) orders@cellsignal.com
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1437		Web:	info@cellsignal.com cellsignal.com
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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 58	Source: Rabbit	UniProt ID: #P52292	Entrez-Gene Id: 3838		
Product Usage Information		plication estern Blotting			Dilution 1:1000			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. <i>Do not aliquot the antibody.</i>						
Specificity / Sensitivity		KPNA2 Antibody recognizes endogenous levels of total KPNA2 protein.						
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Glu66 of human KPNA2 protein. Antibodies are purified by protein A and peptide affinity chromatography.						
Background	sub prot imp func (imp binc the diffe in th that regu	groups: importin alpl teins (1,2). KPNA2 (k ortin beta binding (IE ction in binding to the portin beta/KPNA2/ca ding of RanGTP to in help of export factor erent cargo proteins, ne cytoplasm by form KPNA2 promotes ca	ha and importin bel karyopherin alpha 2 BB) motif followed b e nuclear localizatio argo protein) forms nportin beta. The di CAS (6,7). KPNA2 either actively tran nation of incompete ell proliferation and	a. Importins function 2), a member of the by a hydrophobic reg on signal (NLS) sites , translocates into the ssociated importin a can differentially re sporting them to the int complexes (such tumorigenesis. Res	proteins and are divided mainly in the import an importin alpha family, co jion consisting of 10 arm of cargo proteins (3-5). The nucleus, and then dis alpha is recycled back to gulate target localization nucleus (such as oct3/4 as oct6/brn2) (8). Rese earch studies have also erefore, it has become a	d export of nuclear ntains an N-terminal nadillo repeats that A trimeric complex sociates upon the cytoplasm with by binding to 4) or retaining them arch studies indicate shown that up-		
Background Refer	2. P 3. K 4. W 5. F 6. G 7. G 8. Y 9. H 10. G 11. A 12. R	chook, Y.M. and Blob remberton, L.F. and R elley, J.B. et al. (201 Veis, K. et al. (1995) ontes, M.R. et al. (20 Gorlich, D. (1998) <i>EM</i> Goldfarb, D.S. et al. (20 Gasuhara, N. et al. (20 Juang, L. et al. (2013) Grupp, K. et al. (2014) Itan, B. et al. (2013) Cachidi, S.M. et al. (20 Je, L. et al. (2012) <i>PL</i>	Paschal, B.M. (200 0) BMC Cell Biol 1 Science 268, 1049 003) J Biol Chem 2 18O J 17, 2721-7. 2004) Trends Cell I 013) Dev Cell 26, 1 3) Cell Death Dis 4, 1) Mod Pathol 27, 9 Carcinogenesis 34 013) PLoS One 8,	5) <i>Traffic</i> 6, 187-98. 1, 63. -53. 78, 27981-7. <i>Biol</i> 14, 505-14. 23-35. e745. 6-106. , 2314-21. e57911.	703-15.			
Species Reactivity	y Spec	cies reactivity is dete	rmined by testing i	n at least one appro	ved application (e.g., we	estern blot).		
Western Blot Buff		DRTANT: For wester 1X TBS, 0.1% Twee			d primary antibody in 5% rnight.	% w/v nonfat dry		
Applications Key	WB	WB: Western Blotting						

1/1/24, 10:00 AM Cross-Reactivity Key	KPNA2 Antibody (#14372) Datasheet Without Images Cell Signaling Technology 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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