

KPNA2 Antibody



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Applications:	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 58	Source/Isotype: Rabbit	UniProt ID: #P52292	Entrez-Gene Id 3838
Product Usage Information		Application Western 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		subgroups: importing nuclear proteins (1,2) an N-terminal import armadillo repeats that (3-5). A trimeric computen dissociates upor back to the cytoplasm localization by binding (such as oct3/4) or respect (5).	alpha and importin . KPNA2 (karyopher in beta binding (IBE t function in bindin elex (importin beta/l n binding of RanGTF n with the help of ex g to different cargo taining them in the e also shown that u	illy of nuclear transport beta. Importins function in alpha 2), a member or on the followed by a hying to the nuclear localization of the importin beta. The deport factor CAS (6,7). KP proteins, either actively cytoplasm by formation that KPNA2 promotes coperegulation of KPNA2 is arker research (9-13).	n mainly in the importin alphore importin alphore iton signal (NLS) sit rms, translocates in the importing that can differential transporting them of incompetent coell proliferation and	ort and export of a family, contains onsisting of 10 es of cargo proteins to the nucleus, and alpha is recycled ally regulate target to the nucleus mplexes (such as tumorigenesis.
Background References		1. Chook, Y.M. and Blobel, G. (2001) <i>Curr Opin Struct Biol</i> 11, 703-15. 2. Pemberton, L.F. and Paschal, B.M. (2005) <i>Traffic</i> 6, 187-98. 3. Kelley, J.B. et al. (2010) <i>BMC Cell Biol</i> 11, 63. 4. Weis, K. et al. (1995) <i>Science</i> 268, 1049-53. 5. Fontes, M.R. et al. (2003) <i>J Biol Chem</i> 278, 27981-7. 6. Görlich, D. (1998) <i>EMBO J</i> 17, 2721-7. 7. Goldfarb, D.S. et al. (2004) <i>Trends Cell Biol</i> 14, 505-14. 8. Yasuhara, N. et al. (2013) <i>Dev Cell</i> 26, 123-35. 9. Huang, L. et al. (2013) <i>Cell Death Dis</i> 4, e745. 10. Grupp, K. et al. (2014) <i>Mod Pathol</i> 27, 96-106. 11. Altan, B. et al. (2013) <i>Carcinogenesis</i> 34, 2314-21. 12. Rachidi, S.M. et al. (2013) <i>PLoS One</i> 8, e57911. 13. He, L. et al. (2012) <i>PLoS One</i> 7, e42992.				

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key W: Western Blotting

Cross-Reactivity Key H: Human M: Mouse R: Rat

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