hnRNP K (A222) Antibody



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Applications: W	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 58-62	Source/Isotype: Rabbit	UniProt ID: #P61978	Entrez-Gene Id: 3190
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. Do not aliquot the antibody.				
Specificity/Sensitivity		hnRNP K (A222) Antibody detects endogenous levels of total hnRNP K protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala222 of human hnRNP K protein. Antibodies were purified by protein A and peptide affinity chromatography.				
Background		complexes (hnRNP pro nucleus to cytoplasm bind poly(C) DNA and biosynthesis (6), trans that cytoplasmic hnRN cancer, and may be a target gene transcript mediated by E3 ligase	oteins) that facilitat (1-3). hnRNP K cont RNA sequences (4, criptional regulatio IP K expression is in totential prognosti ion in response to MDM2 (10). The in	n K (hnRNP K) belongs to e pre-mRNA processing ains three unique struct 6). Intricate architecture n (7), and signal transdu ncreased in oral squamo c factor (8,9). hnRNP K co DNA damage. Proteason teraction between hnRN t K activation of silenced	and transport of m ural motifs termed enables hnRNP K t ction. Research stu us cell carcinoma a pordinates with p5: ne degradation of h P K and c-Src leads	RNA from the KH domains that o facilitate mRNA dies have shown and pancreatic 3 to regulate its anRNP K is to hnRNP K
Background References		1. Dreyfuss, G. et al. (1993) <i>Annu Rev Biochem</i> 62, 289-321. 2. Siomi, H. et al. (1994) <i>Cell</i> 77, 33-9. 3. Miau, L.H. et al. (1998) <i>J Biol Chem</i> 273, 10784-91. 4. Tomonaga, T. and Levens, D. (1995) <i>J Biol Chem</i> 270, 4875-81. 5. Choi, H.S. et al. (2009) <i>Biochem Biophys Res Commun</i> 380, 431-6. 6. Bustelo, X.R. et al. (1995) <i>Mol Cell Biol</i> 15, 1324-32. 7. Michelotti, E.F. et al. (1996) <i>Mol Cell Biol</i> 16, 2350-60. 8. Zhou, R. et al. (2010) <i>Int J Cancer</i> 126, 395-404. 9. Matta, A. et al. (2009) <i>Int J Cancer</i> 125, 1398-406. 10. Moumen, A. et al. (2005) <i>Cell</i> 123, 1065-78. 11. Ostareck-Lederer, A. et al. (2002) <i>Mol Cell Biol</i> 22, 4535-43.				

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 BSA, 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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