

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

Applications: W, IP	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 79	Source/Isotype: Rabbit	UniProt ID: #Q01167	Entrez-Gene Id: 3607
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50	
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		FoxK2 Antibody recognizes endogenous levels of total FoxK2 protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human FoxK2 protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		Forkhead box (Fox) proteins are a family of evolutionarily conserved transcription factors defined by the presence of a winged helix DNA-binding domain called a Forkhead box (1). In humans, there are over 40 known Fox protein family members, divided into 19 subfamilies, which have evolved to regulate gene transcription in diverse and highly specialized biological contexts throughout development (2). Mutations that disrupt the expression of Fox gene family members have consequently been implicated in a broad array of human disorders, including immunological dysfunction, infertility, speech/language disorders, and cancer (3,4).				
		(FHA) domain and a cor regulator of IL-2 transc mismatches and might function of adenovirus proteins (8). Moreover,	nserved forkhead ription (6). Studies be involved in DN (Adv) oncoprotein FoxK2 promotes A chromatin (9). Fox	P-1-mediated transcript K2 is phosphorylated at	. FoxK2 was initially binds to DNA harb oxK2 also mediates E6 proteins via ass ional regulation by	identified as a oring G/T the oncogenic ociation with these enhancing the
Background Re	eferences	1. Myatt, S.S. and Lam, 2. Jackson, B.C. et al. (20 3. Hannenhalli, S. and K 4. Benayoun, B.A. et al. 5. Katoh, M. and Katoh, 6. Li, C. et al. (1991) <i>Pro</i> 7. Fujii, Y. and Nakamur 8. Komorek, J. et al. (201 9. Ji, Z. et al. (2012) <i>Mol</i> 10. Marais, A. et al. (201	010) Hum Genomi (aestner, K.H. (200 (2011) Trends Ger M. (2004) Int J Mo (2004) Int J Mo (2004) Int J Mo (2004) Int J Mo (2010) J Mo (2010) J Biol (2010) J Virol 84, 2719 (2011 Biol 32, 385-9	<i>cs</i> 4, 345-52. 9) <i>Nat Rev Genet</i> 10, 233 het 10, 224-32. 6/ <i>Med</i> 14, 127-32. 5 A 88, 7739-43. <i>hem</i> 147, 705-9. -31. 8.	3-40.	
Species Reactiv	/ity	Species reactivity is det	ermined by testing	g in at least one approve	ed 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 IP: Immunoprecipitation				
Cross-Reactivity Key		H: Human Mk: Monkey				
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