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CK1 Antibody					CHNOLOGY
g CK1 Antibody				TEC	I I Signaling CHNOLOGY

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Species predicted to react based on 100% sequence homology Source / Purification Background	Endogenous	34	Source/Isotype: Rabbit	UniProt ID: #P48729	Entrez-Gene Io 1452						
Specificity/Sensitivity Species predicted to react based on 100% sequence homology Source / Purification Background	Application Western Blotting Simple Western™			Dilution 1:1000 1:10 - 1:50							
Specificity/Sensitivity Species predicted to react based on 100% sequence homology Source / Purification Background Background References	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.										
based on 100% sequence homology Source / Purification Background	ty/Sensitivity This antibody detects endogenous levels of total casein kinase I-alpha 1 protein. This antibody may cross-react with casein kinase I-epsilon, casein kinase I-delta, and casein kinase I-gamma.										
Background	Chicken, Xenopus, Ze	brafish, Bovine									
-	amino acid residues i	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to amino acid residues near the middle of human casein kinase I-alpha 1. Antibodies are purified by protein A and peptide affinity chromatography.									
Background References	α', β, γ1-3, δ, and ε) w that determines subc autophosphorylation expressed family of p cell morphology, and	ith a conserved N-t cellular localization a sites have been ide protein kinases has b Wnt signaling (4). F	given to a family of kinas erminal kinase domain a ind regulates enzyme ac ntified near the C termir been implicated in multij erhaps the best underst Ser45 to produce the co	nd a variable C-tern tivity (1-3). Indeed, nus of CK1ε (3). This ole processes, inclu cood role of CK1 is t	minal sequence multiple inhibitory s ubiquitously ding DNA repair, o provide the						
Background References 1. Gross, S.D. and Anderson, R.A. (1998) <i>Cell Signal</i> 10, 699-711. 2. Vancura, A. et al. (1994) <i>J Biol Chem</i> 269, 19271-8. 3. Gietzen, K.F. and Virshup, D.M. (1999) <i>J Biol Chem</i> 274, 32063-70. 4. Polakis, P. (2002) <i>Curr Biol</i> 12, R499-R501.											
Species Reactivity	Species reactivity is d	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).						
Western Blot Buffer			s, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X ith gentle shaking, overnight.								
Applications Key	W: Western Blotting	W-S: Simple Wester	тм								
Cross-Reactivity Key	H: Human M: Mouse	R: Rat									
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