## #8738 Store at -20C





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

Applications: W	Reactivity: All	Sensitivity: Endogenous	Source/Isotype: Rabbit		
Product Usage Information		<b>Application</b> Western Blotting		Dilution 1:1000	
Storage		Supplied in 10 mM sodium 0.02% sodium azide. Store	HEPES (pH 7.5), 150 n at –20°C. Do not aliqu	nM NaCl, 100 μg/ml BSA, 50% glycerol and less than ιot the antibody.	
Specificity/Sensitiv	/ity	Phospho-CK2 Substrate [(p containing a pS/pTDXE mot useful tool to study CK2 su	S/pT)DXE] MultiMab <sup>®</sup> tif, which is a CK2 pho bstrates.	Rabbit mAb mix recognizes endogenous proteins sphorylation consensus sequence. This antibody is a	
Source / Purificatio	on	MultiMab <sup>®</sup> rabbit monoclo clones in optimized ratios f based on motif recognition broadest possible coverage specificity for the modificat	nal mix antibodies are for the approved appli a and performance in a e of the modification b tion or motif.	e prepared by combining individual rabbit monoclona ications. Each antibody in the mix is carefully selected multiple assays. Each mix is engineered to yield the being studied while ensuring a high degree of	. <b>I</b> 
Background		Casein Kinase II (CK2) is a h Ser/Thr protein kinase with processes including cell cyc damage response. Researc other diseases (1-5). CK2 su of the phosphorylated Ser with the most crucial residu	highly conserved, ubiq hundreds of substrat cle progression, apopt th studies have implica ubstrates contain mult or Thr residue. The co ue at the +3 position f	uitously expressed, and constitutively active tetramentes participating in the regulation of a variety of cellul tosis, transcription, inflammation, and the DNA ated CK2 in roles related to viral infection, cancer, and tiple acidic residues (Asp and Glu) located downstrear onsensus sequence for CK2 substrates is pS/pTD/EXD/ ollowed by the residue at the +1 position (6).	ric lar l m ′E
Background Refere	ences	1. Pinna, L.A. and Allende, J 2. St-Denis, N.A. and Litchfi 3. Trembley, J.H. et al. (2009 4. Perez, D.I. et al. (2011) <i>M</i> 5. Dominguez, I. et al. (2001 6. Meggio, F. and Pinna, L.A	.E. (2009) <i>Cell Mol Life</i> eld, D.W. (2009) <i>Cell M</i> 9) <i>Cell Mol Life Sci</i> 66, <i>led Res Rev</i> 31, 924-54 9) <i>Cell Mol Life Sci</i> 66, A. (2003) <i>FASEB J</i> 17, 34	e Sci 66, 1795-9. <i>1ol Life Sci</i> 66, 1817-29. 1858-67. I. 1850-7. 1850-7. 49-68.	
Species Reactivity		Species reactivity is determ	nined by testing in at le	east one approved application (e.g., western blot).	
Western Blot Buffe	er	IMPORTANT: For western b TBS, 0.1% Tween® 20 at 4°	lots, incubate membr C with gentle shaking	rane with diluted primary antibody in 5% w/v BSA, 1X , overnight.	
Applications Key		W: Western Blotting			
Cross-Reactivity K	ey	All: All Species Expected			
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		All other trademarks are th more information.	e property of their res	spective owners. Visit cellsignal.com/trademarks for	
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