e at -20C	DAPK3/ZIPK Antibody		
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com
∞		Support:	877-678-TECH (8324)
<i>‡</i> 292		Web:	info@cellsignal.com cellsignal.com
*		3 Trask Lane Danvers	Massachusetts 01923 USA

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

Applications: WB	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 52	Source: Rabbit	UniProt ID: #O43293	Entrez-Gene Id: 1613		
Product Usage	Арр	olication			Dilution			
Information	Wes	stern Blotting			1:1000			
Storage	Supp 20°C	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 / Sensitiv	/ity DAP	DAPK3/ZIPK Antibody detects endogenous levels of total DAPK3/ZIPK protein.						
Species predicted to react based on 1009 sequence homology	o Monl % /:	key						
Source / Purification	n Polyo resid pepti	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues at the carboxyl terminus of human DAPK3/ZIPK. Antibodies were purified by protein A and peptide affinity chromatography.						
Background	Deat partic activ calm a cor activ expre catal (MLC vitro The I (7-9) inact demo indep termi ATF2 (POI DAP	h-associated protei cipates in a wide rai ated c-Myc, and de odulin regulatory se nserved death doma e mutant kinase. Ec ession of a catalytic ytic domain of DAP CK) and a RXX(S/T) by DAPK1 (5). DAPK family consis with homology in th ive mutant, can indi- ponstrating ability to pendent manner (8) inal leucine zipper co (7). DAPK3 is pre- DS) associated with K3 can phosphoryla	n kinase (DAPK1) nge of apoptotic sig tachment from the egment, DAPK1 als ain (1-3). Deletion ctopic expression of cally inactive mutan K1 has very high s)X motif derived fro ts of several kinas heir catalytic doma uce apoptosis (7). phosphorylate the lomain that mediat dominantly localize DAXX and PAR-4, ate STAT3 at Ser72	is a Ca2+/calmoduli gnals including inter extracellular matrix. so has eight ankyrin of the calmodulin-re of wild-type DAPK1 i it protected cells froi equence similarity to myosin light chai es including DAPK, in. Overexpression of DAPK3 was also ide regulatory light chai amino-terminal kinas es interaction with le and can phosphory 27 to enhance its tra	n-regulated serine/threo feron-y, tumor necrosis f In addition to the kinase repeats, a cytoskeleton gulatory domain generat nduced cell death in HeL m interferon-y-induced co o vertebrate myosin light n protein was shown to b DAPK2/DRP-1 (6), and b of DAPK3/ZIPK, but not entified as a myosin light n of myosin II in a Ca ²⁺ /o se domain, DAPK3 conta eucine zipper transcriptio d has been found in PML late PAR-4 <i>in vitro</i> (10,1 nscriptional activity (12).	nine kinase that factor α, Fas, e domain and binding region, and res a constitutively a cells. Conversely, ell death (4). The chain kinase pe phosphorylated <i>in</i> DAPK3/ZIPK/DLK a catalytically chain kinase, calmodulin- ains a carboxy- on factors such as a oncogenic domains 1). In addition,		
Background Refere	nces 1. Kii 2. Cc 3. De 4. Cc 5. Ve 6. Int 7. Ka 8. Mu 9. Kö 10. Pa 11. Ka 12. Sa	nchi, A. (1999) Ann ohen, O. et al. (1999 eiss, L. P. et al. (1997 ohen, O. et al. (1997 lentza, A. V. et al. (1997 lentza, A. V. et al. (2000) wai, T. et al. (2000) wai, T. et al. (1998) urata-Hori, M. et al. ogel, D. et al. (1998) wai, T. et al. (2003) tto, N. et al. (2005)	Rheum Dis. 58, 11 a) J Cell Biol 146, 1 b) Genes Dev 9, 1 c) EMBO J 16, 998 2001) J Biol Chem Mol Cell Biol 20, 1 Mol Cell Biol 18, 1 (1999) FEBS Lett) Oncogene 17, 26 Oncogene 18, 720 Mol Cell Biol 23, 6 Int Immunol 17, 15	14-119. 141-148. 5-30. -1008. 276, 38956-38965. 044-54. 1642-51. 451, 81-4. 45-54. 65-73. 6174-86. 43-52.				

3/23/24, 1:32 PM	DAPK3/ZIPK Antibody (#2928) Datasheet Without Images Cell Signaling Technology				
Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot). 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.				
Western Blot Buffer					
Applications Key	WB: Western Blotting				
Cross-Reactivity Key	 H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected 				
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