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at	Ero1-Lα Antibody				
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com		
34		Support:	877-678-TECH (8324)		
#3264		Web:	info@cellsignal.com cellsignal.com		
#	3 Tras	k Lane Danvers Ma	ssachusetts 01923 USA		

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

Applications: I WB	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 60	Source: Rabbit	UniProt ID: #Q96HE7	Entrez-Gene Id: 30001		
Product Usage Information	•	oplication estern 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		Ero1-L α Antibody detects endogenous levels of total Ero1-L α protein.						
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu218 of human Ero1-Lα. Antibodies are purified by protein A and peptide affinity chromatography.						
Background	pos pro oxic for resi Sac oxy hun men	st-translationally modi teins require the form dative protein folding. disulfide formation ar iding protein endopla <i>ccharomyces cerevisi</i> gen in a FAD-depend nan homologs of Ero	ified and properly f nation of intra- or ir . Several oxidoredu nd isomerization ar smic oxidoreductir iae (3). <i>In vitro</i> exp dent manner and th 1, Ero1-like (Ero1- I-glycoprotein that	olded. To reach their inter-molecular disulfi actases of the protein re localized to the EF n-1 (Ero1) provides the rements demonstration re oxidized Ero1 in t La and β) have been promotes oxidative	ER) after their synthesis r native conformation, m de bonds (1). This proce n disulfide isomerase (P R (2). Studies have found he oxidizing potential to ted that Ero1 is oxidized urn serves as an oxidan n identified (2,5). Ero1-L protein folding and has t	any secretory ess is called DI) family essential d that the ER- the ER in I by molecular t for PDI (4). Two α is an ER		
Background References		 Huppa, J.B. and Ploegh, H.L. (1998) <i>Cell</i> 92, 145-148. Cabibbo, A. et al. (2000) <i>J. Biol. Chem.</i> 275, 4827-4833. Frand, A.R. and Kaiser, C.A. (1998) <i>Mol. Cell</i> 1, 161-170. Tu, B.P. et al. (2000) <i>Science</i> 290, 1571-1574. Pagani, M. et al. (2000) <i>J. Biol. Chem.</i> 275, 23685-23692. 						
Species Reactivity	Spee	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		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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