Ero1-Lα Antibody			
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com	
4	Support:	877-678-TECH (8324)	
#3264	Web:	info@cellsignal.com cellsignal.com	
#3	3 Trask Lane Danvers Massachusetts 01923 USA		
For Research Use Only. Not for Use in Diagnostic Procedures.			

Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 60	Source/Isotype: Rabbit	UniProt ID: #Q96HE7	Entrez-Gene Id 30001		
Product Usage Information		Application Western 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/Sensit	tivity	Ero1-Lα Antibody detects endogenous levels of total Ero1-Lα protein.						
Source / Purifica	Irce / Purification Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresporesidues surrounding Leu218 of human Ero1-Lα. Antibodies are purified by protein A and peptifinity chromatography.							
Background		post-translationally m proteins require the f oxidative protein fold essential for disulfide the ER-residing prote <i>Saccharomyces cerev</i> oxygen in a FAD-depe human homologs of	nodified and proper ormation of intra- of ing. Several oxidore formation and isor in endoplasmic oxic <i>risiae</i> (3). <i>In vitro</i> exp endent manner and Ero1, Ero1-like (Ero1 d N-glycoprotein th	doplasmic reticulum (E ly folded. To reach their r inter-molecular disulfi- ductases of the protein nerization are localized to loreductin-1 (Ero1) provi- periments demonstrated the oxidized Ero1 in tur- -Lα and β) have been id at promotes oxidative pr- ues (2).	native conformatio de bonds (1). This p disulfide isomerase to the ER (2). Studie des the oxidizing p l that Ero1 is oxidize n serves as an oxida entified (2,5). Ero1-l	n, many secretory rocess is called e (PDI) family s have found that otential to the ER in ed by molecular ant for PDI (4). Two Lα is an ER		
Background Refe	erences	1. Huppa, J.B. and Ploegh, H.L. (1998) <i>Cell</i> 92, 145-148. 2. Cabibbo, A. et al. (2000) <i>J. Biol. Chem.</i> 275, 4827-4833. 3. Frand, A.R. and Kaiser, C.A. (1998) <i>Mol. Cell</i> 1, 161-170. 4. Tu, B.P. et al. (2000) <i>Science</i> 290, 1571-1574. 5. Pagani, M. et al. (2000) <i>J. Biol. Chem.</i> 275, 23685-23692.						
Species Reactivit	у	Species reactivity is d	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).		
Western Blot Bui	ffer	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						
Cross-Reactivity	Key	H: Human						
Trademarks and Patents		Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.						
		All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.						
Limited Uses		Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.						
		Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in						

any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products on services that would compete with CST products or services, (c) not alter or remove from the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.