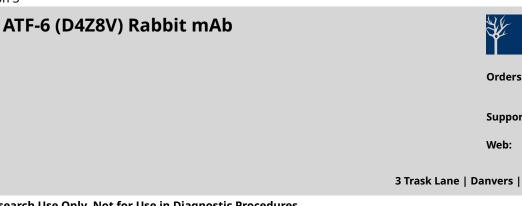
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Applications: W, IP	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 90-100	Source/Isotype: Rabbit IgG	UniProt ID: #P18850	Entrez-Gene Id: 22926		
Product Usage Information	9	Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						
Specificity/Ser	nsitivity	ATF-6 (D4Z8V) Rabbit mAb recognizes endogenous levels of total ATF-6 alpha protein. The antibody does not detect ATF-6 beta protein.						
Source / Purifi	ication	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human ATF-6 alpha protein.						
Background		Activating Transcription Factor-6 (ATF-6) is a transmembrane glycoprotein of the endoplasmic reticulum (ER). Upon accumulation of improperly folded proteins in the ER, ATF-6 is cleaved liberating a 50 kDa amino-terminal fragment that translocates to the nucleus (1, 2). There, ATF-6 activates transcription of ER chaperones and components of ER-associated degradation such as GRP78, XBP-1, and CHOP (3-5).						
Background R	eferences	1. Ye, J. et al. (2000) <i>Mol Cell</i> 6, 1355-64. 2. Liu, C.Y. and Kaufman, R.J. (2003) <i>J Cell Sci</i> 116, 1861-2. 3. Thuerauf, D.J. et al. (2007) <i>J Biol Chem</i> 282, 22865-78. 4. Hirota, M. et al. (2006) <i>J Toxicol Sci</i> 31, 149-56. 5. Todd, D.J. et al. (2008) <i>Nat Rev Immunol</i> 8, 663-74.						
Species Reacti	ivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).						
Western Blot I	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 K	(ey	W: Western Blotting IP: Immunoprecipitation						
Cross-Reactivi	ty Key	H: Human M: Mouse						
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