Revision 1		
MBTPS2 Antibody	Ce T E	Ell Signaling
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com
	Support:	877-678-TECH (8324)
#2157	Web:	info@cellsignal.com cellsignal.com
	3 Trask Lane Danvers Mass	achusetts 01923 USA

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Applications: W	Reactivity: M	Sensitivity: Endogenous	MW (kDa): 57	Source/Isotype: Rabbit	UniProt ID: #O43462	Entrez-Gene Id 51360		
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/Sen	sitivity	MBTPS2 Antibody detects endogenous levels of total MBTPS2 protein.						
Species predict based on 100% homology		Human						
Source / Purifi	cation	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the sequence of mouse MBTPS2. Antibodies are purified by protein A and peptide affinity chromatography.						
Background		a zinc metalloproteas unfolded protein resp element-binding prot and are cleaved by si amino-terminal doma to induce expression (ATF6) transports fror	ie in the Golgi mem ponse (UPR) (3,4). W ieins (SREBPs) move te-1 protease (S1P) (ains. These amino-to of genes for choles n ER to Golgi appar	otease site 2 (MBTPS2), prane (1,2,3). It regulate then cells are deprived o from the endoplasmic (5,6) and site-2 protease erminal domains of SREI erol biosynthesis. Durir itus and is cleaved by S ² es to the nucleus and a	s cholesterol metab f cholesterol, sterol reticulum (ER) to the (1,6) sequentially to BPs then translocate gu UPR, activating tr IP and S2P to releas	olism (1,2) and regulatory colgi apparatus prelease the active into the nucleus anscription factor (ce a cytosolic		
Background Re	eferences	1. Rawson, R.B. et al. (1997) <i>Mol. Cell</i> 1, 47-57. 2. Zelenski, N.G. et al. (1999) <i>J. Biol. Chem.</i> 274, 21973-21980. 3. Shen, J. and Prywes, R. (2004) <i>J. Biol. Chem.</i> 279, 43046-43051. 4. Lee, K. et al. (2002) <i>Genes Dev.</i> 16, 452-466. 5. DeBose-Boyd, R.A. et al. (1999) <i>Cell</i> 99, 703-712. 6. Brown, M.S. and Goldstein, J.L. (1999) <i>Proc. Natl. Acad. Sci. USA</i> 96, 11041-11048. 7. Kaufman, R.J. et al. (2002) <i>Nat. Rev. Mol. Cell Biol.</i> 3, 411-421.						
Species Reactiv	vity	Species reactivity is d	etermined by testin	g in at least one approv	ed application (e.g.,	western blot).		
Western Blot B	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						
Cross-Reactivit	ty Key	M: Mouse						
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