Revision 6		
eRF3 Antibody		CHNOLOGY*
	Orders:	877-616-CELL (2355) orders@cellsignal.com
00	Support:	877-678-TECH (8324)
498	Web:	info@cellsignal.com cellsignal.com
3 Tra:	sk Lane Danvers Mass	achusetts 01923 USA

For R	esearch	Use	Only.	Not	for l	lse in	Diac	inostic	Proced	lures
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Applications: W	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 80	Source/Isotype: Rabbit	UniProt ID: #P15170-3	Entrez-Gei 2935		
Product Usage Information		Application Western Blotting			Dilution 1:1000			
Storage		Supplied in 10 mM so 20°C. Do not aliquot t	dium HEPES (pH 7.5 he antibody.	S (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at - y.				
Specificity/Sensit	sitivity eRF3 Antibody recognizes endogenous levels of total eRF3 protein. This antibody recognizes eRF3 eRF3b proteins.				ognizes eRF3a			
Source / Purificat	tion	Polyclonal antibodies residues surrounding and peptide affinity c	are produced by im Pro180 of human e hromatography.	munizing animals with a synthetic peptide corresponding to PRF3a protein, isoform 3. Antibodies are purified by protein A				
Background		member of the GTPas (1). Paralogous genes conserved carboxy-te binding site (2). The e binding and activatio for eRF1 binding and proteins vary, with eR is more restricted to I mediated cleavage ar apoptosis (7). Additio associated with an im polyglycine expansion mediated cleavage (9	se superfamily that sencode a pair of ef- rminal GTPase/eRF RF3 carboxy-termin n of the eRF1 releas activation, but is im F3a ubiquitously ex- brain tissue (2,5,6). F nd degradation relat nal studies indicate creased susceptibili ns of amino-termina).	cooperates with eRF1 in RF3 proteins (eRF3a/GSP 1-binding domain and a al region is involved in t e factor (1). The amino-t plicated in control of mf pressed and proliferatio Research studies demon ted to reduced protein sy that polyglycine expans ty to breast and gastric o al eRF3a may affect the a	polyeptide transle T1, eRF3b/GSPT2) t1 non-conserved ami ranslation terminat erminal region of e RNA stability (3,4). E n-dependent, while strate that eRF3 un ynthesis during DN ion of the eRF3a am cancer (8,9). It is like ibility of eRF3a to un	tion terminatic hat share a ino-terminal PA ion through RF3 is not requ xpression of eR e eRF3b express dergoes caspas A damage-indu nino terminus is ely that the ndergo caspase		
Background Refe	rences	1. Zhouravleva, G. et . 2. Hoshino, S. et al. (1 3. Hoshino, S. et al. (1 4. Amrani, N. et al. (20 5. Chauvin, C. et al. (2 6. Hoshino, S. et al. (1 7. Hashimoto, Y. et al. 8. Malta-Vacas, J. et al 9. Brito, M. et al. (200	al. (1995) <i>EMBO J</i> 14 998) <i>J Biol Chem</i> 27 999) <i>J Biol Chem</i> 27 008) <i>Nature</i> 453, 12 005) <i>Mol Cell Biol</i> 25 989) <i>EMBO J</i> 8, 380 (2012) <i>Apoptosis</i> 1 I. (2009) <i>Oncol Rep</i> 2 5) <i>Carcinogenesis</i> 2	, 4065-72. 3, 22254-9. 4, 16677-80. 76-80. 5, 5801-11. 7-14. 7, 1287-99. 21, 1551-8. 6, 2046-9.				
Species Reactivit	у	Species reactivity is d	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).		
Western Blot Buf	fer	IMPORTANT: For west dry milk, 1X TBS, 0.1%	tern blots, incubate 6 Tween® 20 at 4°C	membrane with diluted with gentle shaking, ove	primary antibody in ernight.	n 5% w/v nonfat		
Applications Key		W: Western Blotting						
Cross-Reactivity l	Key	H: Human M: Mouse	R: Rat Mk: Monkey					
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