eIF4E Antibody			
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com	
	Support:	877-678-TECH (8324)	
#9742	Web:	info@cellsignal.com cellsignal.com	
#	3 Trask Lane Danvers Mas	sachusetts 01923 USA	
For Research Use Only. Not for Use in Diagnostic Procedures.			

Applications: W	Reactivity: H M R Mk Mi Z	Sensitivity: Endogenous	MW (kDa): 25	Source/Isotype: Rabbit	UniProt ID: #P06730	Entrez-Gene Id 1977			
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/Sensitivity		eIF4E Antibody detects endogenous levels of total eIF4E protein. The antibody does not cross-react with other proteins.							
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ser209 of eIF4E. Antibodies are purified by protein A and peptide affinity chromatography.							
Background		translation (1,2). eIF4 eIF4A into the eIF4F e Upon activation by m phosphorylates eIF4 Mnk1 (Thr197 and Th eIF4G also contains s	E interacts with eIF4 complex (2). eIF4B is nitogenic and/or stre E at Ser209 <i>in vivo</i> (3 nr202) are essential f erum-stimulated ph at these sites is bloc	ds to the mRNA cap stru EG, a scaffold protein tha thought to assist the eI ess stimuli mediated by E ,4). Two Erk and p38 MA for Mnk1 kinase activity osphorylation sites, incl ked by the PI3 kinase inl	at promotes assemb F4F complex in tran Erk and p38 MAPK, l PK phosphorylation (3). The carboxy-ter uding Ser1108, Ser	bly of eIF4E and slation initiation. Mnk1 n sites in mouse minal region of 1148, and Ser1192			
Background Re	ferences	1. Sonenberg, N. et a 2. Gingras, A.C. et al. 3. Waskiewicz, A. et a 4. Pyronnet, S. et al. (5. Raught, B. et al. (20	(1999) <i>Annu. Rev. Bi</i> I. (1999) <i>Mol. Cell. B</i> (1999) <i>EMBO J.</i> 18, 27	<i>iol.</i> 19, 1871-80. 70-9.	17.				
Species Reactiv	ity	Species reactivity is c	letermined by testin	g in at least one approve	ed application (e.g.,	western blot).			
Western Blot B	uffer	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 Ke	ey	W: Western Blotting							
Cross-Reactivit	у Кеу	H: Human M: Mouse	R: Rat Mk: Monkey	Mi: Mink Z: Zebrafish					
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