e at -20C	SMG-1 (V72) Antibody	Ce T E	Cell Signaling TECHNOLOGY®		
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com		
)2		Support:	877-678-TECH (8324)		
#9592		Web:	info@cellsignal.com cellsignal.com		
#		3 Trask Lane   Danvers   Ma	ssachusetts   01923   USA		

## For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB, IP, IF-IC	Reactivity: H Mk	Sensitivity: Endogenous	<b>MW (kDa):</b> 410	Source: Rabbit	UniProt ID: #Q96Q15	Entrez-Gene Id: 23049		
Product Usage Information	W	oplication estern Blotting munoprecipitation munofluorescence (In	mmunocytochemis	try)		<b>Dilution</b> 1:1000 1:50 1:50		
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 aliguot the antibody.						
Specificity / Sensit	100	. , .	-		G-1 protein. The antibod ence, the antibody label	-		
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human SMG-1.						
Background	AT pho deg kno tha cor	R, mTOR, DNA-PKcs osphorylate p53 and h gradation of messeng own as nonsense-mee t may result in gain of nditions as well as in r	, and TRRAP (1,2) hUpf1 (SMG-2) (1 er RNA species co diated mRNA deca f function or domin esponse to damag	Activated by DNA 4). hUpf1 is a subur ntaining premature y (NMD), prevents ant negative specie le (5,6). SMG-1 has	kinase (PIKK) family, wh damage, SMG-1 has be nit of the surveillance con- termination codons (PT the translation of truncat s. NMD occurs under no also been shown to affe d apoptotic cell death (7	en shown to mplex that allows Cs). This process, ed forms of proteins ormal cellular ect cell death		
Background Refere	2. \ 3. E 4. C 5. L 6. M	Denning, G. et al. (200 /amashita, A. et al. (2 Brumbaugh, K.M. et a Dhnishi, T. et al. (2003 Li, Z.Y. et al. (2006) <i>C</i> Mendell, J.T. et al. (2008) Dliveira, V. et al. (2008)	001) Genes Dev 1 I. (2004) Mol Cell 1 3) Mol Cell 12, 118 urr Med Chem 13, 04) Nat Genet 36,	5, 2215-28. .4, 585-98. 7-200. 1693-705. 1073-8.				
Species Reactivity	Spe	cies reactivity is deter	rmined by testing ir	n at least one appro	ved application (e.g., we	estern blot).		
Western Blot Buffe		ORTANT: For western 6 Tween® 20 at 4°C v			ed primary antibody in 59	% w/v BSA, 1X TBS,		
Applications Key	WE	: Western Blotting IP	: Immunoprecipitat	ion IF-IC: Immunof	luorescence (Immunocy	tochemistry)		
Cross-Reactivity K	X: ×		B: bovine Dg: dog	Pg: pig Sc: S. cere	s <b>Mi:</b> mink <b>C:</b> chicken Di evisiae <b>Ce:</b> C. elegans H			
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## SMG-1 (V72) Antibody (#9592) Datasheet Without Images Cell Signaling Technology

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