e at -20C	SMG-1 (D42D5) Rabbit mAb	T C	Cell Signaling		
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Eor Research Lise Only	/ Not for Lise in	Diagnostic Procedures.
FUI RESEAICII USE UIII	. NULIULUSE III	Diagnostic Procedures.

Applications: WB, IP	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 410	Source/Isotype: Rabbit IgG	UniProt ID: #Q96Q15	Entrez-Gene Id: 23049		
Product Usage Information		pplication /estern Blotting nmunoprecipitation			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 / Sensitivity		SMG-1 (D42D5) Rabbit mAb recognizes endogenous levels of total SMG-1 protein.						
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human SMG-1 protein.						
Background	AT ph de kni tha coi	R, mTOR, DNA-PKcs osphorylate p53 and gradation of messeng own as nonsense-me at may result in gain o nditions as well as in	s, and TRRAP (1 hUpf1 (SMG-2) (ger RNA species diated mRNA de of function or dom response to dam	tide 3-kinase-related kir ,2). Activated by DNA da 1-4). hUpf1 is a subunit containing premature te cay (NMD), prevents the ninant negative species. lage (5,6). SMG-1 has a om extrinsically induced	amage, SMG-1 has be of the surveillance con ermination codons (PT e translation of truncat NMD occurs under no ulso been shown to affe	en shown to mplex that allows Cs). This process, ed forms of proteins ormal cellular ect cell death		
Background References		Denning, G. et al. (20 Yamashita, A. et al. (2 Brumbaugh, K.M. et a Ohnishi, T. et al. (200 Li, Z.Y. et al. (2006) C Mendell, J.T. et al. (200 Oliveira, V. et al. (200	2001) Genes Dev al. (2004) Mol Ce 3) Mol Cell 12, 1 Curr Med Chem 1 004) Nat Genet 3	/ 15, 2215-28. // 14, 585-98. 187-200. 3, 1693-705. 6, 1073-8.				
Species Reactivity	y Spe	ecies reactivity is dete	rmined by testing	g in at least one approve	ed application (e.g., we	estern blot).		
Western Blot 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 Key	WE	3: Western Blotting IF	: Immunoprecipi	tation				
Cross-Reactivity Key		 H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected 						
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SMG-1 (D42D5) Rabbit mAb (#9149) Datasheet Without Images Cell Signaling Technology

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