e at -20C	Skp2 (D3G5) XP [®] Rabbit mAb		Cell Signaling
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com
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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: I WB, IP, IHC-P, IF-IC	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 48	Source/Isotype: Rabbit IgG	UniProt ID: #Q13309	Entrez-Gene Id: 6502	
Product Usage	Ар	plication			Diluti	on	
Information	We	stern Blotting			1:100	0	
	Imr	nunoprecipitation			1:50		
	Imr	nunohistochemistry	(Paraffin)		1:100	- 1:400	
	Imr	nunofluorescence (I	mmunocytochen	nistry)	1:400	- 1:1600	
Storage	Sup 0.02	plied in 10 mM sodi % sodium azide. St	um HEPES (pH ⁻ ore at –20°C. Do	7.5), 150 mM NaCl, 100 not aliquot the antibody	μg/ml BSA, 50% glyce ν.	erol and less than	
	For	a carrier free (BSA a	and azide free) v	ersion of this product se	e product #95000.		
Specificity / Sensitiv	ity Skp2 pred	Skp2 (D3G5) XP [®] Rabbit mAb recognizes endogenous levels of total Skp2 protein. This antibody is predicted to cross-react with Skp2 α and Skp2 β .					
Source / Purification	Mon resid	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human Skp2 protein.					
Background	Men nam (SCI inter prote moti S ph ubiq and Skp as c Skp It ap PIM once	nbers of the F-box fa ed after cyclin F (1, F) ubiquitin ligase co rchangeable F-box p eins and recruiting t if mediates binding t hase kinase-associa hase transitions by t uitination and subse genetic instabilities 2/decreased p27 lev olon, breast, prostar 2 is subject to phosp opears as though ph 1 (10) promotes sta ogenicity.	amily of proteins 2). F-box protein omplex. The sub oroteins, which a hem to the SCF to Skp1 and a let ted protein 2 (Sk argeting the cycl equent proteolysi typical of cancer yels are associate te and lung canc ohorylation-depe osphorylation of Skp2	are characterized by the s constitute one of the for strate specificity of SCF ct as adaptors by associ- core. F-box proteins con- ucine rich repeat (LRR) of p2) interacts with cyclin in-dependent kinase (CI s (3-6). Overexpression cells (7). Research stud- ed with many aggressive ers (7). Several recent re- ndent regulation by a ne Skp2 at Ser64 by CDK2 et, possibly constituting a	e approximate 40 amin our subunits of the Skp complexes is determin ating with phosphoryla tain two fundamental domain mediates subs A/CDK2 and mediates DK) inhibitors p27, p21 of Skp2 results in dere lies have shown that in e lymphomas and hum esearch studies have of twork of pro-proliferati (8), Ser72 by Akt1 (9) n additional mechanist	o acid F-box motif 1-Cullin-F-box hed by the ated substrate domains: the F-box trate interactions. \$ G1 to S and G2 to 1, and p130 for egulated proliferation increased ian carcinomas such demonstrated that ve Ser/Thr kinases.), and Thr417 by m for Skp2	
Background Referen	Ces 1. Pa 2. Ri 3. Zi 4. Ni 5. Bi 6. Te 7. Bi 8. Ri 9. G 10. Ca	agano, M. (2004) <i>M</i> eed, S.I. (2003) <i>Nat</i> hang, H. et al. (1995 akayama, K. et al. (2 ornstein, G. et al. (2 edesco, D. et al. (2008 loom, J. and Pagano odier, G. et al. (2009) ao, D. et al. (2009) en, B. et al. (2010) .	ol Cell 14, 414-6 Rev Mol Cell Bio 5) Cell 82, 915-25 2004) Dev Cell 6 003) J Biol Chen 02) Genes Dev 1 5, M. (2003) Sen 8) EMBO J 27, 6 Nat Cell Biol 11, J Biol Chem 285,	0/ 4, 855-64. 5. , 661-72. n 278, 25752-7. .6, 2946-57. <i>nin Cancer Biol</i> 13, 41-7. 79-91. 397-408. 29128-37.			
Species Reactivity	Spec	ies reactivity is dete	ermined 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.					

1/1/24, 12:34 PM	Skp2 (D3G5) XP® Rabbit mAb (#2652) Datasheet Without Images Cell Signaling Technology				
Applications Key	WB: Western Blotting IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry)				
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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