BIRC6 (D8B5) Rabbit mAb



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Applications: W	Reactivity: H M R Hm Mk	Sensitivity: Endogenous	MW (kDa): 530	Source/Isotype: Rabbit IgG	UniProt ID: #Q9NR09	Entrez-Gene Id: 57448
Product Usage Information	2	Application Western Blotting			Dilution 1:1000	
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		BIRC6 (D8B5) Rabbit mAb recognizes endogenous levels of total BIRC6 protein. Several bands of unknown origin between 120 and 500 kDa are detected in some cell lines. It is possible that these bands are degradation products of BIRC6.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Asp147 in human BIRC6 protein.				
Background		530 kDa membrane-as the amino terminus, a research studies supp division (4-6), and BIRG development (4,7). Res stem cells and in othe inhibiting caspases (10 caspase 9, thereby tar	ssociated protein w nd a ubiquitin-conj ort the notion that C6 is the only esser search studies have r cancer cell lines (8 O) or 2) ubiquitinati geting these protei	he inhibitor of apoptosi ith a single survivin-like ugating enzyme domair BIRC6 functions as a dutial BIR-containing protes documented the overes,9). BIRC6 inhibits apoping the IAP antagonist SN ns for proteasomal degidation upon stimulation	baculoviral IAP rep n at the carboxy teri al regulator of cell c ein in mammalian c xpression of BIRC6 tosis by either 1) bin MAC and the apoptor adation (4,5). BIRC	eat (BIR) domain at minus (1-3). Several death and cell ell growth and in colon cancer nding to and osis initiator 6 itself is regulated
Background References		1. Hauser, H.P. et al. (1998) <i>J Cell Biol</i> 141, 1415-22. 2. Verhagen, A.M. et al. (2001) <i>Genome Biol</i> 2, REVIEWS3009. 3. Martin, S.J. (2004) <i>Nat Cell Biol</i> 6, 804-6. 4. Hao, Y. et al. (2004) <i>Nat Cell Biol</i> 6, 849-60. 5. Qiu, X.B. and Goldberg, A.L. (2005) <i>J Biol Chem</i> 280, 174-82. 6. Pohl, C. and Jentsch, S. (2008) <i>Cell</i> 132, 832-45. 7. Qiu, X.B. et al. (2004) <i>EMBO J</i> 23, 800-10. 8. Van Houdt, W.J. et al. (2011) <i>Mol Cell Proteomics</i> 10, M111.011353. 9. Chen, Z. et al. (1999) <i>Biochem Biophys Res Commun</i> 264, 847-54. 10. Bartke, T. et al. (2004) <i>Mol Cell</i> 14, 801-11. 11. Vaux, D.L. and Silke, J. (2005) <i>Nat Rev Mol Cell Biol</i> 6, 287-97.				

Species Reactivity Species reactivity is determined by testing in at least one approved application (e.g., western 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 W: Western Blotting

Cross-Reactivity Key H: Human M: Mouse R: Rat Hm: Hamster Mk: Monkey

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