Limited Uses

BRCA1 (D54A8) Rabbit mAb



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Applications: F W, IP	Reactivity:	Sensitivity: Endogenous	MW (kDa): 220	Source/Isotype: Rabbit IgG	UniProt ID: #P38398	Entrez-Gene Id 672
Product Usage Information		Application Western Blotting Immunoprecipitation			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		BRCA1 (D54A8) Rabbit mAb recognizes endogenous levels of total BRCA1 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a recombinant protein specific to the amino terminus of human BRCA1 protein.				
Background		hereditary breast and repair, cell cycle progre to be required for loca lacking BRCA1 and BRI recombination (HR) (5) identified, including Se cycle-dependent mann Ser1497, respectively (ovarian cancers an ession, transcriptio lization of Rad51 to CA2 cannot repair I. Numerous DNA cer988, 1189, 1387, ner, including Auro 6-10). Cell cycle-de echanism to switch	BRCA1 and BRCA2 are fr d have roles in multiple n, ubiquitination, and ap o sites of double-strande DSBs through the Rad51 lamage-induced phosph 1423, 1457, 1524, and 15 ra A and CDK2, can also pendent phosphorylation off HR as cells progress	processes related to poptosis (1-4). BRCA ed breaks (DSBs) in -dependent proces prorylation sites on B 542, and kinases ac phosphorylate BRC on of BRCA2 at Ser3.	o DNA damage, 2 has been shown DNA, and cells s of homologous RCA1 have been civated in a cell A1 at Ser308 and 291 by CDKs has
Background References		1. Rahman, N. and Stra 2. Gayther, S.A. et al. (1 3. Kerr, P. and Ashwort 4. Scully, R. and Livings 5. Tutt, A. and Ashwort 6. Okada, S. and Ouchi 7. Cortez, D. et al. (199 8. Xu, B. et al. (2002) C 9. Ouchi, M. et al. (200 10. Ruffner, H. et al. (190 11. Esashi, F. et al. (200	999) Am J Hum Ge h, A. (2001) Curr Bi ston, D.M. (2000) N ch, A. (2002) Trends i, T. (2003) J Biol Ch 9) Science 286, 116 ancer Res 62, 4588 4) J Biol Chem 279, 999) Mol Cell Biol 1	ol 11, R668-76. lature 408, 429-32. lature 408, 571-6. late 278, 2015-20. late 6. late	21.	
Species Reactivity		Species reactivity is de	termined by testin	g in at least one approve	ed 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 IP: Immunoprecipitation				
Cross-Reactivity Key		H: Human				
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