

SMARCAL1 (D3P5I) Rabbit mAb



Orders: 877-616-CELL (2355)

orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com

cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 105	Source/Isotype: Rabbit IgG	UniProt ID: #Q9NZC9	Entrez-Gene Id: 50485	
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50		
Storage			upplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than .02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		SMARCAL1 (D3P5I) Rabbit mAb recognizes endogenous levels of total SMARCAL1 protein.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala933 of human SMARCAL1 protein.					
Background		to the <i>E. coli</i> protein Hebe the cause of Schim characterized by pher dysfunction, immunous associated SMARCAL1 phenotypes associated damage response. Du (ATM, ATR, DNA-PK) (4 to increase the freque DNA double strand br	HepA (1). Mutations also immuno-osseou the immuno-osseou deficiency, and impleted with SMARCAL1 is small properties. SMARCAL1 deficiency of replication for the implementation for the	itously expressed member in the gene encoding SN is dysplasia (SIOD), an autorised neurological functed is likely due to its role as in stress, SMARCAL1 is pency sensitizes cells to report breakdown (4,5). SM onhomologous end join ors targeting SMARCAL1 ed in 7).	MARCAL1 were subsutosomal recessive dyloepiphyseal dysion (2). Researchers gkin's lymphoma (3 an annealing helica hosphorylated by Deplication stress ag ARCAL1 is also requing (NHEJ) DNA rep	sequently shown to disorder plasia, renal s have also d). The array of ase in the DNA DNA repair kinases ents, and appears uired for efficient pair pathway (6).	
Background Ref	erences	2. Boerkoel, C.F. et al. 3. Baradaran-Heravi, , 4. Bansbach, C.E. et al 5. Silverberg, M.J. et a 6. Keka, I.S. et al. (201	(2000) Genomics 65, 274-82. 2002) Nat Genet 30, 215-20. . et al. (2012) Am J Med Genet A 158A, 2204-13. (2009) Genes Dev 23, 2405-14. (2009) AIDS 23, 2337-45. b) Nucleic Acids Res 43, 6359-72. 2) Biochem Biophys Res Commun 427, 232-5.				

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

Applications Key

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.

W: Western Blotting IP: Immunoprecipitation

Cross-Reactivity Key H: Human

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