

Lamin B2 (E1S1Q) Rabbit mAb



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Applications: I	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 68-70	Source/Isotype: Rabbit IgG	UniProt ID: #Q03252	Entrez-Gene Id: 84823
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. <i>Do not aliquot the antibody.</i>				
Specificity/Sensitivity		Lamin B2 (E1S1Q) Rabbit mAb recognizes endogenous levels of total lamin B2 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu75 of human lamin B2 protein.				
Background		functions, such as cel been subdivided into alternative splicing of kDa) and small (28 kD consist of lamin B1 ar during apoptosis (9). correlated with patho Research studies show defects and that both deficiencies result in a lamina integrity and l corresponding lamin	I cycle control, DNA types A and B. Types I amin A gene Land B2, encoded by seesarch studies has genesis of the neur withat both lamin Baroteins are essentichanges in nuclear lamin B2 gene (LMNB2) ca disorder characteriz	components that are in replication, and chroma -A lamins consist of lam MNA. Lamin A and C are a can be used as marker eparate genes (6-8). Lanve shown that duplication of lamin B1 knockou ial for typical brain devenorphology, with lamin elongation of neuronal names and the progressive load.	itin organization (1- in A and C, which a c cleaved by caspase s for apoptosis (4,5 nin B1 is also cleave on of the lamin B1 conset leukodystropl t mice exhibit neuro elopment. Lamin B1 B1 playing a role in nuclei (11,12). Mutat ity to developing ac	3). Lamins have rise from es into large (41-50). Type-B lamins d by caspases gene <i>LMNB1</i> is ny (10). Conal developmental and B2 regulating nuclear cions in the quired partial
1. Gruenbaum, Y. et al. (2000) J Struct Bi 2. Goldberg, M. et al. (1999) Crit Rev Eul 3. Yabuki, M. et al. (1999) Physiol Chem 4. Rao, L. et al. (1996) J Cell Biol 135, 144 5. Orth, K. et al. (1996) J Biol Chem 271, 6. Biamonti, G. et al. (1992) Mol Cell Bio 7. Lin, F. and Worman, H.J. (1995) Genor 8. Pollard, K.M. et al. (1990) Mol Cell Bio 9. Chandler, J.M. et al. (1997) Biochem J 10. Padiath, Q.S. et al. (2006) Nat Genet 11. Coffinier, C. et al. (2011) Mol Biol Cel 13. Hegele, R.A. et al. (2006) Am J Hum C				ryot Gene Expr 9, 285-9; hys Med NMR 31, 77-84. -55. 5443-6. 2, 3499-506. ics 27, 230-6. 10, 2164-75. 22 (Pt 1), 19-23. 8, 1114-23. d Sci U S A 107, 5076-81.		
		13. Hegele, R.A. et al.	(2006) Am J Hum G	enet 79, 383-9.		

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 nonfat dry milk, 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

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