Lamin B1 (D4Q4Z) Rabbit mAb				
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For Research Use Only. Not for Use in Diagnostic Procedures.				

Applications: F WB		ensitivity: ndogenous	MW (kDa): 68, 25	Source/Isotype: Rabbit IgG	UniProt ID: #P20700	Entrez-Gene Id: 4001		
Product Usage Information	Applicat Western				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. Do not aliquot the antibody.						
Specificity / Sensitiv		Lamin B1 (D4Q4Z) Rabbit mAb recognizes endogenous levels of total lamin B1 protein. This antibody recognizes the 25 kDa lamin B1 amino terminal cleavage product produced during apoptosis.						
Species predicted to react based on 100% sequence homology)	Pig						
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu118 of human lamin B1 protein.						
Background	functions, subdivider of the lam kDa) fragr B2, encod Research	such as cell c d into types A a in A gene <i>LMN</i> ments, which c led by separat studies have s	ycle control, DN/ and B. Type-A la VA. Lamin A and can be used as n e genes (6-8). La shown that dupli	I components that are in A replication, and chrom mins consist of lamin A C are cleaved by caspa narkers for apoptosis (4 amin B1 is also cleaved cation of the lamin B1 g er adult-onset leukodyst	natin organization (1-3 and C, which arise fro ases into large (41-50 ,5). Type-B lamins col by caspases during a ene <i>LMNB1</i> is correla	 a). Lamins have been b) alternative splicing kDa) and small (28 nsist of lamin B1 and apoptosis (9). 		
Background Referen	2. Goldber 3. Yabuki, 4. Rao, L. 5. Orth, K. 6. Biamon 7. Lin, F. a 8. Pollard, 9. Chandle	 Gruenbaum, Y. et al. (2000) J Struct Biol 129, 313-23. Goldberg, M. et al. (1999) Crit Rev Eukaryot Gene Expr 9, 285-93. Yabuki, M. et al. (1999) Physiol Chem Phys Med NMR 31, 77-84. Rao, L. et al. (1996) J Cell Biol 135, 1441-55. Orth, K. et al. (1996) J Biol Chem 271, 16443-6. Biamonti, G. et al. (1992) Mol Cell Biol 12, 3499-506. Lin, F. and Worman, H.J. (1995) Genomics 27, 230-6. Pollard, K.M. et al. (1990) Mol Cell Biol 10, 2164-75. Chandler, J.M. et al. (1997) Biochem J 322 (Pt 1), 19-23. Padiath, Q.S. et al. (2006) Nat Genet 38, 1114-23. 						
Species Reactivity	Species re	activity is dete	rmined by testing	g in at least one approv	ed application (e.g., w	vestern blot).		
Western Blot Buffer				ncubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, tle shaking, overnight.				
Applications Key	WB: West	tern Blotting						
Cross-Reactivity Key	X: Xenopu	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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