CRYAB Antibody	<b>Cell Signaling</b> TECHNOLOGY®		
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com	
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#8851	Web:	info@cellsignal.com cellsignal.com	
8	3 Trask Lane   Danvers   Massachusetts   01923   USA		
For Research Use Only. Not for Use in Diagnostic Procedures.			

Applications: W	<b>Reactivity:</b> H M R	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 22	Source/Isotype: Rabbit	<b>UniProt ID:</b> #P02511	Entrez-Gene Id: 1410		
Product Usage Information		<b>Application</b> Western Blotting			Dilution 1:1000			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.						
Specificity/Sen	sitivity	CRYAB Antibody detects endogeneous levels of total CRYAB protein.						
Source / Purific	ation	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding t residues surrounding Glu165 of human CRYAB protein. Antibodies are purified by protein A and peptide affinity chromatography.						
Background		(1). This protein was in levels in heart and ske responding to stress have shown that eleve tissue and cells from therapeutic target (6- (R120G) in the mouse molecular level, CRYA binding and inhibiting angiogenesis by bind	nitially found to be eletal muscle tissue by binding unfolded ated expression of damage under extr 9). Researchers also model causes card B is involved in mul g caspase and proa ing and stabilizing <sup>v</sup>	small heat shock protein overexpressed in the eye s (2,3). CRYAB functions d target proteins to preve CRYAB in neurological di- eme stress, leading to the found that expression of iomyopathy due to abno tiple biological processe poptotic Bax and Bcl-xS /EGF for secretion (13), a tin filament, intermedia	e lens, and later also mainly as a molecu ent aggregation (4, sease and stroke pa ne investigation of C of the missense mu prmal desmin aggre s, such as inhibiting protein functions (1 and regulating cytos	o detected at high lar chaperone, 5). Research studies atients protects CRYAB as a potential tation of CRYAB egation (10). At the g apoptosis by 1,12), promoting skeletal		
Background Re	eferences	<ol> <li>Mehlen, P. et al. (19</li> <li>Piatigorsky, J. (1989)</li> <li>Bennardini, F. et al.</li> <li>Benjamin, I.J. and M</li> <li>Horwitz, J. (1992) <i>Pi</i></li> <li>Ousman, S.S. et al.</li> <li>Ray, P.S. et al. (2001)</li> <li>Arac, A. et al. (2011)</li> <li>Sanbe, A. (2011) <i>Bi</i></li> <li>Wang, X. et al. (20</li> <li>Kase, S. et al. (2011)</li> <li>Kase, S. et al. (2011)<td>P) FASEB J 3, 1933-40 (1992) Circ Res 71, AcMillan, D.R. (1998) roc Natl Acad Sci U. (2007) Nature 448, () FASEB J 15, 393-40 ) Proc Natl Acad Sci ol Pharm Bull 34, 16 (01) Circ Res 89, 84-9 al. (2001) J Biol Cher D04) Cell Death Diff (0) Blood 115, 3398- ctor, A. (1996) Eur J J uninlan, R.A. (1994) J</td><td>). 288-94. ) <i>Circ Res</i> 83, 117-32. <i>S A</i> 89, 10449-53. 474-9. )2. <i>U S A</i> 108, 13287-92. 53-8. 91. n 276, 16059-63. <i>er</i> 11, 512-26. 406. <i>Biochem</i> 242, 56-66. <i>EMBO J</i> 13, 945-53.</td><td></td><td></td></li></ol>	P) FASEB J 3, 1933-40 (1992) Circ Res 71, AcMillan, D.R. (1998) roc Natl Acad Sci U. (2007) Nature 448, () FASEB J 15, 393-40 ) Proc Natl Acad Sci ol Pharm Bull 34, 16 (01) Circ Res 89, 84-9 al. (2001) J Biol Cher D04) Cell Death Diff (0) Blood 115, 3398- ctor, A. (1996) Eur J J uninlan, R.A. (1994) J	). 288-94. ) <i>Circ Res</i> 83, 117-32. <i>S A</i> 89, 10449-53. 474-9. )2. <i>U S A</i> 108, 13287-92. 53-8. 91. n 276, 16059-63. <i>er</i> 11, 512-26. 406. <i>Biochem</i> 242, 56-66. <i>EMBO J</i> 13, 945-53.				
Species Reactiv	/ity	Species reactivity is d	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).		
Western Blot B	uffer	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted shaking, overnight.	primary antibody i	n 5% w/v BSA, 1X		
Applications Ke	ey	W: Western Blotting						
Cross-Reactivit	у Кеу	H: Human M: Mouse	<b>R:</b> Rat					

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