

#8042
Store at -20C**DAZL Antibody**

Orders: 877-616-CELL (2355)
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Web: info@cellsignal.com
cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 38	Source/Isotype: Rabbit	UniProt ID: #Q92904	Entrez-Gene Id: 1618
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Product Usage Information	Application Western Blotting Immunoprecipitation	Dilution 1:1000 1:100
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/Sensitivity	DAZL Antibody recognizes endogenous levels of total DAZL protein.	
Species predicted to react based on 100% sequence homology	Monkey	
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human DAZL protein. Antibodies are purified by protein A and peptide affinity chromatography.	
Background	The human <i>DAZ</i> (Deleted in Azoospermia) gene family contains at least three members that encode RNA-binding proteins with a common RNA-recognition motif (1). An autosomal homolog of <i>DAZ</i> , <i>DAZL</i> (<i>DAZ</i> -like), is specifically expressed in germ cells and is essential for the specification of the germ cell lineage during embryogenesis and during gametogenesis in adults of both sexes (2,3). <i>DAZL</i> may function by directly recruiting poly(A)-binding proteins (PABPs) in order to activate silent mRNAs during germ cell development (2). Deletions encompassing the Y chromosomal <i>DAZ</i> genes are the most common molecularly defined cause of infertility in humans (4,5).	
Background References	<ol style="list-style-type: none"> 1. Yen, P.H. (2004) <i>Int J Androl</i> 27, 125-9. 2. Collier, B. et al. (2005) <i>EMBO J</i> 24, 2656-66. 3. Brook, M. et al. (2009) <i>Reproduction</i> 137, 595-617. 4. Reijo, R. et al. (1995) <i>Nat Genet</i> 10, 383-93. 5. Cooke, H.J. and Elliott, D.J. (1997) <i>Trends Genet</i> 13, 87-9. 	

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 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 M: Mouse R: Rat
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