

#8042 Store at -20°C

DAZL Antibody


Cell Signaling
TECHNOLOGY®

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

Applications: WB, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 38	Source: 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 *DAZ* (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 *DAZ*, *DAZL* (DAZ-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). *DAZL* 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 *DAZ* genes are the most common molecularly defined cause of infertility in humans (4,5).

Background References

1. Yen, P.H. (2004) *Int J Androl* 27, 125-9.
2. Collier, B. et al. (2005) *EMBO J* 24, 2656-66.
3. Brook, M. et al. (2009) *Reproduction* 137, 595-617.
4. Reijo, R. et al. (1995) *Nat Genet* 10, 383-93.
5. Cooke, H.J. and Elliott, D.J. (1997) *Trends Genet* 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

WB: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key

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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