

#12706 Store at -20°C

DAZ1 Antibody

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

Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 82	Source: Rabbit	UniProt ID: #Q9NQZ3	Entrez-Gene Id: 1617
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Product Usage
Information

Application

Western Blotting

Dilution

1:1000

Immunoprecipitation

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

DAZ1 Antibody recognizes endogenous levels of total DAZ1 protein.

Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro311 of human DAZ1 protein. Antibodies are purified by protein A and peptide affinity chromatography.

Background

The human Deleted in AZoospermia (DAZ) genes encode a family of RNA-binding proteins that are expressed exclusively in the germ cells and play a role in the regulation of mRNA translation (1). Members of the family include DAZ, DAZL, and BOULE. The essential role of DAZL and BOULE in spermatogenesis has been established (2-4), but the role of DAZ remains unclear. Men with deletions in the DAZ1 gene can produce sperm, although in lower numbers, and are capable of reproduction and transmission of the genetic lesions (5-7).

Background References

1. Yen, P.H. (2004) *Int J Androl* 27, 125-9.
2. Ruggiu, M. et al. (1997) *Nature* 389, 73-7.
3. Houston, D.W. and King, M.L. (2000) *Development* 127, 447-56.
4. Karashima, T. et al. (2000) *Development* 127, 1069-79.
5. Calogero, A.E. et al. (2002) *J Endocrinol Invest* 25, 631-4.
6. Kühnert, B. et al. (2004) *Hum Reprod* 19, 886-8.
7. Reynolds, N. and Cooke, H.J. (2005) *Reprod Biomed Online* 10, 72-80.

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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