

DAZL (D2A4) Rabbit mAb

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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
IHC-P	H M	Endogenous	38	Rabbit IgG	#Q92904	1618

Product Usage Information**Application**

Immunohistochemistry (Paraffin)

Dilution

1:100

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

DAZL (D2A4) Rabbit mAb recognizes endogenous levels of total DAZL protein.

Species predicted to react based on 100% sequence homology

Rat

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human protein.

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).

Applications Key

IHC-P: Immunohistochemistry (Paraffin)

Cross-Reactivity Key

H: Human **M:** Mouse

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