

**bs-12245R****[ Primary Antibody ]****DAZL Rabbit pAb****BioSS**  
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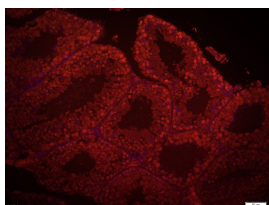
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 1618 <b>Target:</b> DAZL <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human DAZL: 51-130/295. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. <b>Background:</b> The DAZ (Deleted in AZoospermia) gene family encodes potential RNA binding proteins that are expressed in prenatal and postnatal germ cells of males and females. The protein encoded by this gene is localized to the nucleus and cytoplasm of fetal germ cells and to the cytoplasm of developing oocytes. In the testis, this protein is localized to the nucleus of spermatogonia but relocates to the cytoplasm during meiosis where it persists in spermatids and spermatozoa. Transposition and amplification of this autosomal gene during primate evolution gave rise to the DAZ gene cluster on the Y chromosome. Mutations in this gene have been linked to severe spermatogenic failure and infertility in males. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010].	<b>Isotype:</b> IgG <b>SWISS:</b> Q92904 <b>Applications:</b> IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) <b>Reactivity:</b> Mouse (predicted: Human, Rabbit, Pig, Sheep, Cow, Dog, Horse) <b>Predicted MW.:</b> 33 kDa <b>Subcellular Location:</b> Cytoplasm ,Nucleus
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**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (Mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DAZL) Polyclonal Antibody, Unconjugated (bs-12245R) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (bs-0295G-Cy3) for 90 minutes, and DAPI for nuclei staining.

**— SELECTED CITATIONS —**

- **[IF=4.2]** Zhang, Weidong, et al. "Decrease in male mouse fertility by hydrogen sulfide and/or ammonia can be inheritable." Chemosphere (2017). IHC ;="Mouse". 29202267
- **[IF=2.638]** Li T et al. Gene expression patterns and protein cellular localization suggest a novel role for DAZL in developing Tibetan sheep testes. Gene. 2020 Mar 20;731:144335. WB,IHC,IF ;Tibetan sheep ram. 31927007

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=3.4]** Ünal Gülin Özdamar. et al. The beneficial effects of vortioxetine on BDNF, CREB, S100B,  $\beta$  amyloid, and glutamate NR2b receptors in chronic unpredictable mild stress model of depression. PSYCHOPHARMACOLOGY. 2023 Aug;;1-15 IHC ;Rat. 37555927