

Rabbit Anti-DAZL/SPGYLA/TPX2 Polyclonal: RC0005

Intended Use: For Research Use Only

Description: DAZL (Deleted in azoospermia-like 1; SPGY-like-autosomal) is an RNA-binding protein that interacts with mRNA transcripts by its N-terminal RNA recognition motifs. It is the product of the Y-linked DAZ gene, and is found exclusively in the testes. DAZL regulates gene expression during spermatogenesis and may shuttle between the nucleus and cytoplasm during various stages of this process. It interacts with other proteins of the DAZ family via its DAZ-like domain, including DAZ, BOLL, DAZAP1, DAZAP2, and PUM2. Disruption of DAZL expression may play a role in male infertility.

Specifications

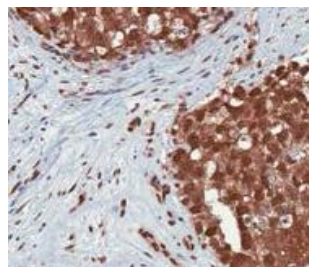
Clone: Polyclonal
 Source: Rabbit
 Isotype: IgG
 Reactivity: Human, rat, mouse, bovine
 Localization: Cytoplasm, nucleus
 Formulation: Purified antibody in PBS pH7.4, containing < 0.05% sodium azide (NaN3)
 Storage: Store at 2°- 8°C
 Applications: IHC
 Package:

Description	Catalog No.	Size
DAZL/SPGYLA/TPX2 Concentrated	RC0005	1 ml

IHC Procedure*

Positive Control Tissue: Testis whole tissue lysate
 Concentrated Dilution: 25-50
 Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human testis cancer stained with anti-DAZL using DAB

References:

1. Gene expression ontogeny of spermatogenesis in the marmoset uncovers primate characteristics during testicular development. Yu-Ching Lin Z, et al. Dev Biol, 2015.
2. Mouse Tafazzin Is Required for Male Germ Cell Meiosis and Spermatogenesis. Cadalbert LC, et al. PLoS One 10:e0131066, 2015.
3. Quantitative detection of human spermatogonia for optimization of spermatogonial stem cell culture. Zheng Y, et al. Hum Reprod 29:2497-511, 2014.
4. In vivo notch signaling blockade induces abnormal spermatogenesis in the mouse. Murta D, et al. PLoS One 9:e113365, 2014.
5. Dynamics of Notch pathway expression during mouse testis post-natal development and along the spermatogenic cycle. Murta D, et al. PLoS One 8:e72767, 2013.