

## DAZ4 Rabbit pAb

CatalogNo: YT6408

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human

#### Applications

- WB

#### MW

- 64kD (Calculated)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**WB 1:500-2000**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from human DAZ4 AA range: 525-575

**Specificity** This antibody detects endogenous levels of DAZ4 at Human

### Target Information

**Gene name** DAZ4

**Protein Name** DAZ4

**Organism**

Human

**Gene ID**

[57135](#);

**UniProt ID**

[Q86SG3](#);

**Cellular Localization**

Cytoplasm . Nucleus . Predominantly cytoplasmic. Nuclear at some stages of spermatozoide development. Localizes both to the nuclei and cytoplasm of spermatozoide differentiation. Nuclear in fetal gonocytes and in spermatogonial nuclei. It then relocates to the cytoplasm during male meiosis.

**Tissue specificity**

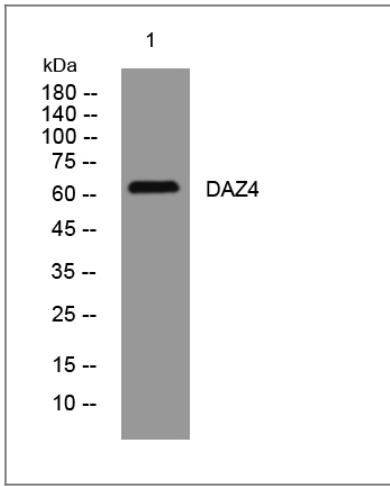
Testis-specific. Expression restricted to premeiotic germ cells, particularly in spermatogonia (at protein level).

**Function**

Caution:DAZ4 is the only DAZ gene whose expression has not been clearly demonstrated. PubMed:10936047 could not exclude the possibility that the transcript they isolated derives from DAZ1.,Disease:AZFc deletions in the Yq11.23 region, including the DAZ genes, are a cause of azoospermia or oligospermia. They lead to male infertility due to impaired spermatogenesis and are found 2-10% of azoospermic or severe oligospermic males.,Disease:AZFc deletions in the Yq11.23 region, including the DAZ genes, are a cause of azoospermia or oligospermia. They lead to male infertility due to impaired spermatogenesis and are found 2-10% of azoospermic or severe oligospermic males. Some AZFc deletions remove only the DAZ and DAZ2 genes and cause severe oligozoospermia.,Domain:The DAZ-like repeats are essential and mediate the interaction with DAZAP1 and DAZAP2.,Function:RNA-binding protein that plays an essential role in spermatogenesis. May act by binding to the 3'-UTR of mRNAs and regulating their translation.,miscellaneous:The DAZ proteins (DAZ, DAZ2, DAZ4 and DAZ4) are all encoded by a strongly repeated region of the Y chromosome, in two clusters each comprising an inverted pair of DAZ genes. They are very similar, which gives their individual characterization difficult. Thus, most experiments do not discriminate between the different members. One can therefore suppose that reported interactions with a DAZ protein involve all the 4 proteins.,polymorphism:The number as well as the precise structure of the DAZ proteins probably differs within the population.,similarity:Belongs to the RRM DAZ family.,similarity:Contains 1 RRM (RNA recognition motif) domain.,similarity:Contains 12 DAZ-like domains.,similarity:Contains 15 DAZ-like domains.,similarity:Contains 2 RRM (RNA recognition motif) domains.,similarity:Contains 3 RRM (RNA recognition motif) domains.,similarity:Contains 9 DAZ-like domains.,subcellular location:Predominantly cytoplasmic. Nuclear at some stages of spermatozoide development. Localizes both to the nuclei and cytoplasm of spermatozoide differentiation. Nuclear in fetal gonocytes and in spermatogonial nuclei. It then relocates to the cytoplasm during male meiosis.,subunit:Forms a heterodimer with BOLL and DAZL. Interacts with PUM2, DAZAP1, DAZAP2, DZIP1 and DZIP3.,tissue specificity:Testis specific.,

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## | Validation Data



Western blot analysis of lysates from KB cells, primary antibody was diluted at 1:1000, 4° over night

## Contact information

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**DAZ4 Rabbit pAb**

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