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Datasheet for ABIN4997565

anti-BOLL antibody (AA 1-100) (Alexa Fluor 750)

Overview

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|----------------------|--|
| Quantity: | 100 µL |
| Target: | BOLL |
| Binding Specificity: | AA 1-100 |
| Reactivity: | Sheep |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This BOLL antibody is conjugated to Alexa Fluor 750 |
| Application: | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

| | |
|-----------------------|---|
| Immunogen: | KLH conjugated synthetic peptide derived from human BOULE |
| Isotype: | IgG |
| Cross-Reactivity: | Sheep |
| Predicted Reactivity: | Human, Mouse, Rat, Dog, Cow, Pig, Monkey |
| Purification: | Purified by Protein A. |

Target Details

| | |
|-------------------|---|
| Target: | BOLL |
| Alternative Name: | BOULE (BOLL Products) |

Target Details

Background: Synonyms: Bol Drosophila boule homolog like, Bol, Bol boule like, Bol, boule like Drosophila, bol, boule-like Drosophila, Boll, BOLL_HUMAN, BOULE, Boule like, BOULE, Drosophila, homolog of, Protein boule like, Protein boule-like, Putative uncharacterized protein BOLL.

Background: Spermatogenesis represents the intricate developmental process of mitotic and meiotic cell divisions that ultimately leads to the production of haploid spermatozoa. BOULE, a member of the human deleted in azoospermia (DAZ) family, functions as a key conserved switch that regulates the progression of germ cells through meiosis in man. BOULE is an RNA-binding protein that regulates the expression of twine, a Cdc25 phosphatase, which promotes progression through meiosis. BOULE is expressed not only in the testis, but also in the nervous system, where it may play a role in neural communication. Mutations in the BOULE gene are associated with male infertility, and the relative proportions of the three BOULE isoforms (B1, B2 and B3) may function as predictive markers for meiotic efficiency.

Gene ID: 66037

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months