

BOULE Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55010**Specification**

BOULE Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q8N9W6
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human BOULE
Epitope Specificity	1-100/283
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm.
SIMILARITY	Belongs to the RRM DAZ family. Contains 1 DAZ-like domain. Contains 1 RRM (RNA recognition motif) domain.
SUBUNIT	Interacts with DAZ1 and DAZL.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

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.

BOULE Polyclonal Antibody - Additional Information**Gene ID** 66037**Other Names**

Protein boule-like, BOLL, BOULE

Target/Specificity

Testis specific. Not expressed in early embryos, primordial germ cells and spermatogonial cells. First expressed in the cytoplasm of spermatocytes and then persists through meiosis.

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

BOULE Polyclonal Antibody - Protein Information

Name BOLL

Synonyms BOULE

Function

Probable RNA-binding protein, which may be required during spermatogenesis. May act by binding to the 3'-UTR of mRNAs and regulating their translation (By similarity).

Cellular Location

Cytoplasm

Tissue Location

Testis specific. Not expressed in early embryos, primordial germ cells and spermatogonial cells. First expressed in the cytoplasm of spermatocytes and then persists through meiosis

BOULE Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

BOULE Polyclonal Antibody - Images