bs-3817R **[Primary Antibody]**

Piwil2 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 55124 **SWISS:** Q8TC59

Target: Piwil2

Immunogen: KLH conjugated synthetic peptide derived from human Piwil2/Mili: 885-973/973.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 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.

Background: PIWIL2 belongs to the Argonaute family of proteins, which function in development and maintenance of germline stem cells (Sasaki et al., 2003 [PubMed 12906857]).[supplied by OMIM, Mar 2008]

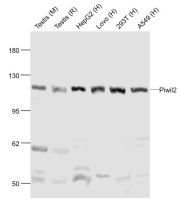
Applications: **WB** (1:500-2000)
Flow-Cyt (0.2µg /Test)

Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Dog, GuineaPig)

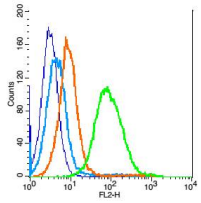
Predicted MW.: 107 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



Sample: Testis (Mouse) Lysate at 40 ug Testis (Rat) Lysate at 40 ug HepG2 (Human) Cell Lysate at 30 ug Lovo (Human) Cell Lysate at 30 ug 293T (Human) Cell Lysate at 30 ug A549 (Human) Cell Lysate at 30 ug Primary: Anti-Piwil2 (bs-3817R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 107 kD Observed band size: 110 kD



Blank control: Mouse spleen cells(fixed with 2% paraformaldehyde (10 min) , then permeabilized with 90% ice-cold methanol for 30 min on ice). Primary Antibody:Rabbit Anti-Piwil2 antibody(bs-3817R), Dilution: 0.2µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions); Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.

SELECTED CITATIONS

- **[IF=3.64]** Shi, Ran-ran, et al. "The immunogenicity of a novel cytotoxic T lymphocyte epitope from tumor antigen PL2L60 could be enhanced by 4-chlorophenylalanine substitution at position 1."?Cancer Immunology, Immunotherapy?(2013): 1-10. WB ;="Human". 24077852
- **[IF=3.49]** Easley et al. Assessing reproductive toxicity of two environmental toxicants with a novel in vitro human spermatogenic model. (2015) Stem.Cell.Re. 14:347-55 ICC ;Human. 25863443
- **[IF=2.276]** Tian Xiaohong. et al. 17-Allylamino-demethoxygeldanamycin Used Alone or in Combination with Sodium Orthovanadate Promotes Apoptosis and Inhibits Invasion of SH-SY5Y Cells by Modulating PIWIL2. Biomed Res Int. 2020;2020:7894712 WB ;Human. 10.1155/2020/7894712