

bs-3817R**[Primary Antibody]****Piwi2 Rabbit pAb****BioSS**
ANTIBODIES

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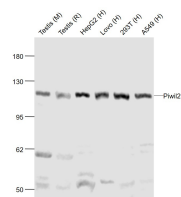
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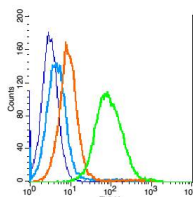
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) Flow-Cyt (0.2µg /Test)
Clonality: Polyclonal		Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Dog, GuineaPig)
GeneID: 55124	SWISS: Q8TC59	Predicted MW.: 107 kDa
Target: Piwi2		Subcellular Location: Cytoplasm
Immunogen: KLH conjugated synthetic peptide derived from human Piwi2/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]		

— 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-Piwi2 (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-Piwi2 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=14.1]** Yongheng Xie. et al. AGAPIR: A Novel PIWI-Interacting RNA Enhancing Post-Decompression Angiogenesis in Degenerative Cervical Myelopathy. ADV SCI. 2025 Aug;;e04246 WB ;Mouse. 40820968
- **[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

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