

## Rabbit HIWI1 Polyclonal Antibody | anti-PIWIL1 antibody

Anti-HIWI1 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                               |
|-----------|--------|-------------------|----------------------------------------------------------------------------|
| AAA262219 | Rabbit | Human, Mouse, Rat | Immunoprecipitation, Immunocytochemistry, Immunofluorescence, Western Blot |

### PRODUCT SYNONYMS

HIWI1; Polyclonal Antibody; Anti-HIWI1 Antibody; HIWI; Piwi-like protein 1; anti-PIWIL1 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                         |
| Reactivity                                       | Human, Mouse, Rat                                                                                              |
| Clonality                                        | Polyclonal                                                                                                     |
| Specificity                                      | Recognizes endogenous levels of HIWI1 protein.                                                                 |
| Purity/Purification                              | The antibody was purified by immunogen affinity chromatography.                                                |
| Form/Format                                      | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.      |
| Sequence Length                                  | 775                                                                                                            |
| Applicable Applications for anti-PIWIL1 antibody | IP (Immunoprecipitation), ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                |
| Immunogen                                        | Recombinant full length protein of human HIWI1                                                                 |
| Preparation and Storage                          | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles. |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescent analysis of HIWI1 staining in U2OS cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



#### WB (Western Blot)

Western blot analysis of HIWI1 expression in HepG2 (A), SKOV3 (B), mouse testis (C), rat testis (D) whole cell lysates.

### ADDITIONAL INFORMATION

|                                                      |                                     |
|------------------------------------------------------|-------------------------------------|
| Related Product Information for anti-PIWIL1 antibody | Rabbit polyclonal antibody to HIWI1 |
|------------------------------------------------------|-------------------------------------|

### NCBI AND UNIPROT INFORMATION

|             |           |
|-------------|-----------|
| NCBI GI #   | 300244501 |
| NCBI GeneID | 9271      |

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI Accession #                 | NP_001177900.1                                 |
| NCBI GenBank Nucleotide #        | NM_001190971.1                                 |
| UniProt Accession #              | Q96J94; O95404; Q8NA60; Q8TBY5; Q96JD5; A4F266 |
| Molecular Weight                 | 89,484 Da                                      |
| NCBI Official Full Name          | piwi-like protein 1 isoform 2                  |
| NCBI Official Synonym Full Names | piwi like RNA-mediated gene silencing 1        |
| NCBI Official Symbol             | PIWIL1                                         |
| NCBI Official Synonym Symbols    | HIWI; MIWI; PIWI; CT80.1                       |
| NCBI Protein Information         | piwi-like protein 1                            |
| UniProt Protein Name             | Piwi-like protein 1                            |
| UniProt Gene Name                | <b>PIWIL1</b>                                  |
| UniProt Synonym Gene Names       | HIWI                                           |
| UniProt Entry Name               | PIWL1_HUMAN                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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