

PIWIL1

Reactivity:Human Mouse Rat

Tested applications:WB IHC IF IP

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:20 - 1:100 IP 1:20 - 1:100

Calculated MW:99kDa

Observed MW:Refer to Figures

Immunogen:

Recombinant protein of human PIWIL1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

Piwil1; Miwi; PIWIL1;

Catalog #:A2150

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:9271

Isotype:IgG

Swiss Prot:Q96J94

Purity:Affinity purification

For research use only.

Background:

The Drosophila piwi gene was identified as being required for the self-renewal of germline stem cells (1). Piwi homologs are well conserved among various species including Arabidopsis, C. elegans, and Homo sapiens (1). Both Miwi and Mili proteins are mouse homologs of Piwi and contain a C-terminal Piwi domain (2). Miwi and Mili bind to Piwi-interacting RNAs (piRNAs) in male germ cells and are essential for spermatogenesis in mice (3-5).

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