

Rabbit MIWI Polyclonal Antibody | anti-PIWIL1 antibody

MIWI Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA36919	Rabbit	Human, Mouse, Rat	Immunoprecipitation, Immunofluorescence, Immunohistochemistry, Western Blot

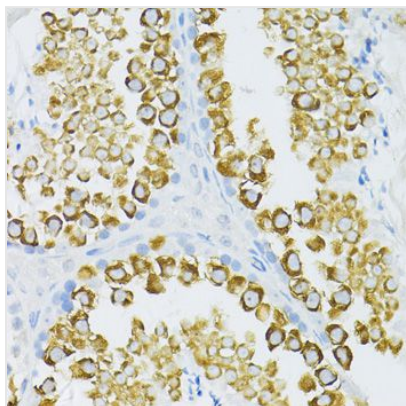
PRODUCT SYNONYMS

MIWI; Polyclonal Antibody; MIWI Polyclonal Antibody; Piwil1; Miwi; PIWIL1; anti-PIWIL1 antibody

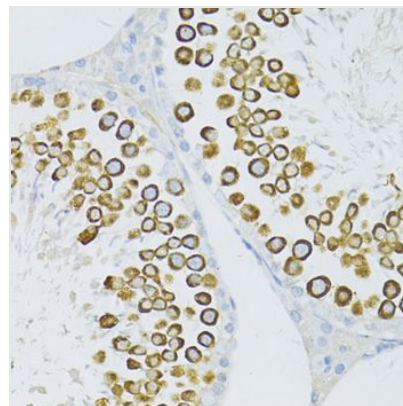
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	862
Applicable Applications for anti-PIWIL1 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Mouse
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of mouse MIWI
Calculated Molecular Weight	99kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

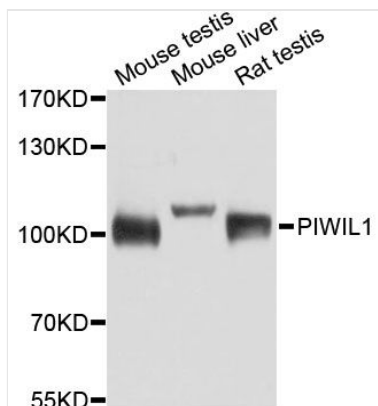
IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse testis using PIWIL1 antibody at dilution of 1:100 (40x lens).


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat testis using PIWIL1 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PIWIL1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-PIWIL1 antibody	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).
Product Categories/Family for anti-PIWIL1 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	81868808
NCBI GeneID	57749
UniProt Accession #	Q9JMB7; Q6NXX0; A1L324; A1L325
Molecular Weight	862
NCBI Official Full Name	Piwi-like protein 1
NCBI Official Synonym Full Names	piwi-like RNA-mediated gene silencing 1
NCBI Official Symbol	Piwi1
NCBI Official Synonym Symbols	MIWI
NCBI Protein Information	piwi-like protein 1; piwi like homolog 1; piwi-like homolog 1
UniProt Protein Name	Piwi-like protein 1
UniProt Gene Name	Piwi1
UniProt Synonym Gene Names	Miwi
UniProt Entry Name	PIWL1_MOUSE

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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/miwi-antibody-immunoprecipitation-immunofluorescence-immunohistochemistry-western-blot-elisa/36919>