

Rabbit PIWIL4 Polyclonal Antibody | anti-PIWIL4 antibody

PIWIL4 antibody

CATALOG # AAA301844	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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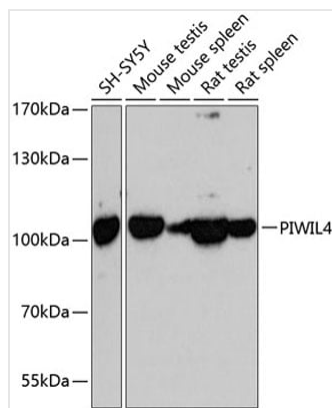
PRODUCT SYNONYMS

PIWIL4; Polyclonal Antibody; PIWIL4 antibody; HIWI2; MIWI2; anti-PIWIL4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total PIWIL4 antibody.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	PBS containing 50% glycerol, 0.02% sodium azide.
Concentration	0.68 mg/mL (varies by lot)
Sequence Length	852
Applicable Applications for anti-PIWIL4 antibody	WB (Western Blot)
Immunogen Type	Protein
Immunogen Description	Fusion protein of human PIWIL4.
Conjugates	Unconjugated
Target Name	PIWIL4
Preparation and Storage	Store at -20 degree C

IMAGES



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PIWIL4 at 1:3000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-PIWIL4 antibody	PIWIL4 belongs to the Argonaute family of proteins, which function in development and maintenance of germline stem cells. Plays a central role during spermatogenesis by repressing transposable elements and prevent their mobilization, which is essential for the germline integrity. Acts via the piRNA metabolic process, which mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and govern the methylation and subsequent repression of transposons. Directly binds piRNAs, a class of 24 to 30 nucleotide RNAs that are generated by a Dicer-independent mechanism and are primarily derived from transposons and other repeated sequence elements. Associates with secondary piRNAs antisense and PIWIL2/MILI is required for such association.
Product Categories/Family for anti-PIWIL4 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	221316711
NCBI GeneID	143689
NCBI Accession #	NP_689644.2
NCBI GenBank Nucleotide #	NM_152431.2
UniProt Accession #	Q7Z3Z4; Q68CZ4; Q8N8G9; Q8N9V8; Q8NEH2; B4DEG5
Molecular Weight	SDS-PAGE MW: 97kd
NCBI Official Full Name	piwi-like protein 4
NCBI Official Synonym Full Names	piwi-like RNA-mediated gene silencing 4
NCBI Official Symbol	PIWIL4
NCBI Official Synonym Symbols	HIWI2; MIWI2
NCBI Protein Information	piwi-like protein 4
UniProt Protein Name	Piwi-like protein 4
UniProt Gene Name	PIWIL4
UniProt Synonym Gene Names	HIWI2; PIWI
UniProt Entry Name	PIWL4_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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/piwil4-antibody-western-blot-elisa/301844>