

Rabbit PIWI-L1 Polyclonal Antibody | anti-PIWIL1 antibody

PIWI-L1 Antibody

CATALOG # AAA39828	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

PIWI-L1; Polyclonal Antibody; PIWI-L1 Antibody; HIWI; MIWI; PIWI; CT80.1; Piwi-like protein 1; piwi-like 1 (Drosophila); anti-PIWIL1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	PIWI-L1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	861
Applicable Applications for anti-PIWIL1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	PIWI-L1 antibody was raised against an 18 amino acid synthetic peptide near the amino terminus of human PIWI-L1.
Buffer	PIWI-L1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	PIWI-L1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



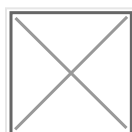
IF (Immunofluorescence)

Immunofluorescence of PIWI-L1 in rat liver tissue with PIWI-L1 antibody at 20 &#956;g/mL.



IHC (Immunohistochemistry)

Immunohistochemistry of PIWI-L1 in rat liver tissue with PIWI-L1 antibody at 10 &#956;g/mL.



WB (Western Blot)

Western blot analysis of PIWI-L1 in human testis tissue lysate with PIWI-L2 antibody at 1 &#956;g/ml in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PIWIL1 antibody	PIWI-L1 Antibody: PIWI-L1 is a member of the PIWI subfamily of Argonaute proteins, evolutionarily conserved proteins containing both PAZ and Piwi motifs that are crucial for the biogenesis and function of small non-coding RNAs and play important roles in stem cell self-renewal, RNA silencing, and translational regulation in diverse organisms. PIWI-L1 is thought to play a role as an intrinsic regulator of the self-renewal capacity of germline and hematopoietic stem cells as removing PIWI-L1 protein from single germline stem cells significantly decreases the rate of their division. Recent studies have shown that overexpression of PIWI-L1 (as well as other PIWI-like proteins) are potential biomarkers for colon and other cancers.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	14579645
NCBI GeneID	9271
UniProt Accession #	Q96J94; O95404; Q8NA60; Q8TBY5; Q96JD5; A4F266
Molecular Weight	89,484 Da
NCBI Official Full Name	PIWI protein
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; piwi homolog
UniProt Protein Name	Piwi-like protein 1
UniProt Gene Name	PIWIL1
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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/piwi-l1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39828>